# 1982 Joint Association Survey

## On Drilling Costs

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# 1982 Joint Association Survey On Drilling Costs

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## PREFACE

The purpose of the Joint Association Survey is to provide annual information pertaining to the cost of drilling oil and gas wells and dry holes in the United States.

Drilling costs for 1982 are presented in this issue of the JAS. Section II, pertaining to expenditures for finding, developing, and producing oil and gas, was discontinued following the publication of 1975 statistics. Comparable data is available from the Annual Survey of Oil and Gas, Bureau of the Census.

As in prior years, data for the 1982 JAS were collected from the petroleum industry through the joint efforts of the American Petroleum Institute, the Independent Petroleum Association of America, and the Mid-Continent Oil and Gas Association.

Washington, D.C.
November 1983

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JOINT ASSOCIATION SURVEY
ON DRILLING COSTS--1982

SUMMARY OF FINDINGS. Findings pertaining to 1982 drilling costs and activity in the United States may be summarized as follows:

- The total cost of drilling and equipping oil and gas wells and dry holes in 1982 amounted to approximately $39,428 million, an increase of 7.5 per cent over 1981.

- The average depth of oil wells completed in 1982 was 4,024 feet, a decrease of 3.8 per cent; the average cost per foot in 1982 was $86.34, an increase of 7.4 per cent over the previous year.

- The average depth of gas wells completed in 1982 was 5,912 feet, an increase of 3.4 per cent; the average cost per foot in 1982 was $146.20, an increase of 19.7 per cent over the previous year.

- The average depth of dry holes drilled in 1982 was 4,951 feet, a decrease of 3.9 per cent; the average cost per foot was $104.09, an increase of 15.6 per cent over 1981.

- The total number of wells drilled in 1982 decreased 5.2 per cent and the total footage drilled decreased 6.7 per cent.

- The total cost of offshore wells completed in 1982 amounted to approximately $6,154 million, an increase of 10.9 per cent over 1981. The total number of offshore wells decreased 0.8 per cent over 1981 while the average depth increased 1.6 per cent. The average cost per foot in 1982 was $423.32 an increase of 10.0 per cent.

- The comparison of drilling activity and the cost of various types of wells completed in 1981 and 1982 is as follows:

| | Oil Wells | | Gas Wells | |
|---|---|---|---|---|
| | 1981 | 1982 | 1981 | 1982 |
| Wells Drilled | 38,725 | 35,865 | 17,533 | 17,052 |
| Footage Drilled (000) | 161,982 | 144,305 | 100,258 | 100,804 |
| Total Cost (millions)* | $13,023 | $12,459 | $12,248 | $14,738 |
| Average Depth (feet) | 4,183 | 4,024 | 5,718 | 5,912 |
| Average Cost Per Well* | $336,289 | $347,374 | $698,576 | $864,278 |
| Average Cost Per Foot* | $80.40 | $86.34 | $122.17 | $146.20 |

| | Dry Holes | | Total Wells | |
|---|---|---|---|---|
| | 1981 | 1982 | 1981 | 1982 |
| Wells Drilled | 24,558 | 23,735 | 80,816 | 76,652 |
| Footage Drilled (000) | 126,561 | 117,510 | 388,800 | 362,618 |
| Total Cost (millions)* | $11,395 | $12,232 | $36,665 | $39,428 |
| Average Depth (feet) | 5,154 | 4,951 | 4,811 | 4,731 |
| Average Cost Per Well* | $463,984 | $515,352 | $453,691 | $514,378 |
| Average Cost Per Foot* | $90.03 | $104.09 | $94.30 | $108.73 |

*Includes all costs incurred for drilling and equipping wells through the "Christmas tree"
NOTE: Totals may not agree with the sum of the individual items because of independent rounding.

DESCRIPTION OF SURVEY. The 1982 Joint Association Survey (JAS) contains information on drilling costs derived from a sample of wells, footage, and costs collected from operators of different sizes who drilled wells in various areas of the United States. The drilling costs reported are those incurred for drilling and equipping wells through the "Christmas tree."

Estimates of drilling costs were derived by combining sample data with the 1982 drilling statistics as compiled by the American Petroleum Institute (API) and the Committee on Statistics of Drilling of the American Association of Petroleum Geologists (AAPG-CSD). The procedures for preparing these estimates for the 1982 JAS are described in the following sections.

DEFINITIONS. Copies of the 1982 questionnaire, instructions, and definitions may be found in Appendices A and B. Maps showing geographic subdivisions of Alaska, California, Louisiana, New Mexico, Texas, Offshore Federal Waters Alaska, Offshore Federal Waters Atlantic Coast, Offshore Federal Waters Gulf of Mexico-Northern, and Offshore Federal Waters Pacific Coast are shown in Appendix G.

The 1982 UNIVERSE. In 1982 the API and the AAPG-CSD reported a total of 85,800 oil and gas wells and dry holes.* It was necessary to adjust the data reported in the API Quarterly Review of Drilling Statistics (QRDS) as follows:

1. Adjustments Type I (Net). Adjustments of this type represent:

   a. The elimination of old wells drilled deeper (and corresponding footage).

   b. The elimination of wells completed in 1981 or prior years (and corresponding footage), but reported in the QRDS in 1982.

   c. The elimination of sidetracked (bypassed) and redrill footage.

   d. The inclusion of wells completed in 1982, but not reported in the QRDS until 1983.

2. Adjustments Type II (Net). Total adjustments of this type represent:

   a. The elimination of wells previously reported in the 1981 JAS.

   b. The inclusion of wells not reported in the QRDS but reported and confirmed by JAS respondents as actually drilled in 1982.

The adjustment of published data as outlined above resulted in a total of 76,652 oil and gas wells and dry holes (representing 362,618,169 feet) which constituted the drilling universe used for estimating total expenditures for 1982. (See Appendix C.)

*See API Quarterly Review of Drilling Statistics, Vol. XVI, No. 4, February 1983, pp. 14-19.

THE 1982 SAMPLE. As in previous years, questionnaires were mailed to operators which were recorded as having drilled wells in the different areas of the United States during 1982. Replies to the Survey were contingent upon voluntary responses, with a continued effort being made to increase the sample size, particularly with respect to the smaller operators. An analysis of the number of companies (operators), classified by the number of wells drilled, included in the sample for the years 1978-1982 is shown in Appendix F.

The number of oil wells, gas wells, and dry holes reported to the JAS in 1981 and 1982 as percentages of total wells drilled in each of the six selected states is as follows:

| | Per Cent of Total | | | | | |
|---|---|---|---|---|---|---|
| | Oil Wells | | Gas Wells | | Dry Holes | |
| | 1981 | 1982 | 1981 | 1982 | 1981 | 1982 |
| California | 84 | 80 | 61 | 58 | 50 | 48 |
| Kansas | 30 | 27 | 41 | 36 | 35 | 32 |
| Louisiana | 44 | 41 | 50 | 38 | 49 | 43 |
| New Mexico | 50 | 55 | 72 | 66 | 47 | 48 |
| Oklahoma | 24 | 25 | 35 | 34 | 29 | 28 |
| Texas | 39 | 35 | 49 | 44 | 31 | 27 |

The following tabulation shows the total number of wells and footage reported to the JAS in 1981 and 1982 as compared to the wells and footage which comprised the JAS drilling universe for these two years.

| | 1981 Survey | | | 1982 Survey | | |
|---|---|---|---|---|---|---|
| | Total | Sample | Per Cent of Total | Total | Sample | Per Cent of Total |
| Oil Wells | 38,725 | 14,840 | 38.3 | 35,865 | 12,780 | 35.6 |
| Footage (thousands) | 161,982 | 72,699 | 44.9 | 144,305 | 63,845 | 44.2 |
| Total Cost (millions) | $13,023 | $6,916 | 53.1 | $12,459 | $6,940 | 55.7 |
| Gas Wells | 17,533 | 7,294 | 41.6 | 17,052 | 6,498 | 38.1 |
| Footage (thousands) | 100,258 | 52,233 | 52.1 | 100,804 | 47,466 | 47.1 |
| Total Cost (millions) | $12,248 | $8,159 | 66.6 | $14,738 | $8,487 | 57.6 |
| Dry Holes | 24,558 | 8,310 | 33.8 | 23,735 | 7,262 | 30.6 |
| Footage (thousands) | 126,561 | 54,465 | 43.0 | 117,510 | 49,177 | 41.8 |
| Total Cost (millions) | $11,395 | $6,847 | 60.1 | $12,232 | $7,226 | 59.1 |
| Total Wells | 80,816 | 30,444 | 37.7 | 76,652 | 26,540 | 34.6 |
| Footage (thousands) | 388,800 | 179,397 | 46.1 | 362,618 | 160,489 | 44.3 |
| Total Cost (millions) | $36,665 | $21,922 | 59.8 | $39,428 | $22,654 | 57.5 |

NOTE: Totals may not agree with the sum of the individual items because of independent rounding.

DETERMINATION OF UNREPORTED WELLS AND FOOTAGE. Individual wells (and footage) derived by adjustment of QRDS data were classified according to type of well (oil, gas or dry), location, and depth. Individual wells reported to the JAS were classified in like manner. The wells and footage reported to the JAS in each category were subtracted from the number of wells and footage in corresponding categories for the adjusted universe. The difference represented the unreported wells and footage by type of well, location, and depth interval.

ESTIMATION OF TOTAL COSTS. The average cost per foot drilled in each category was computed on the basis of information reported to the JAS. Based on the sample wells reported for each area, least squares regression analysis was used to determine the functional relationship between the cost per foot and well depth for each type of well. (See Appendix H for a description of the methodology.)

The cost per foot for the unreported wells in each category was then estimated from the least squares analysis for each area. For the relatively few unreported wells falling outside the depth range of the sample for which regression analysis did not provide meaningful estimates, cost estimates were based on an analysis of costs in similar areas and of prior years' data. This was necessary for approximately 8.7 per cent of all unreported wells.

The cost per foot for the unreported wells was then multiplied by the unreported footage in each depth range to obtain the unreported cost for each category. Total estimated expenditures were obtained by adding the reported costs to estimated unreported costs.

FINDINGS FOR 1982. Cost data are shown in Tables 1-53 for the Total United States, Total Onshore United States, and Total Offshore United States as well as for Offshore Federal Waters and Gulf of Mexico--Northern.

Those wells drilled in the Atlantic Coast Federal Waters, Alaska Federal Waters, and Pacific Coast Federal Waters are not shown separately to avoid disclosure of proprietary data, but are included in Table 52, "Offshore Federal Waters" on page 58. However, total wells, footage, and costs for these areas are shown in Table 1.

In addition, expenditures are reported for the individual states and for the subdivisions of Alaska, California, Louisiana, New Mexico, and Texas.

SUMMARY OF SAMPLE DATA FOR 1982. Additional information concerning the cost of exploratory, development, single completion, and multiple completion wells as reported to the Joint Association Survey is summarized for the United States in Appendices D and E.

Sample data in these four categories, summarized by depth intervals for individual states, may be purchased from the American Petroleum Institute on magnetic tape or in the form of a computer listing. Data in either format are summarized to the extent necessary to avoid disclosure of individual well costs.

Requests for price quotations should be directed to the Statistics Department, Office of the Director, American Petroleum Institute, 1220 L Street, Northwest, Washington, D.C. 20005. (Note: Orders will be accepted only for the complete summary.)

## TABLES CONTAINING FINDINGS

Please note that the average depth and cost per well have not been rounded upward on the following tables.

Table 1 TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND ESTIMATED DRILLING

| STATE | OIL WELLS | | | GAS WELLS | | |
|---|---|---|---|---|---|---|
| | WELLS DRILLED | TOTAL FOOTAGE | COST | WELLS DRILLED | TOTAL FOOTAGE | COST |
| ALABAMA | 17 | 140,999 | 25,115,003 | 68 | 341,039 | 66,584,061 |
| ALASKA - ONSHORE | 164 | 1,666,171 | 584,368,469 | 8 | 46,934 | 31,337,600 |
| ALASKA - OFFSHORE | 1 | 10,400 | 6,240,210 | -- | -- | -- |
| ALASKA - TOTAL | 165 | 1,676,571 | 590,608,679 | 8 | 46,934 | 31,337,600 |
| ARKANSAS | 310 | 1,218,367 | 57,831,805 | 176 | 1,046,667 | 116,883,219 |
| CALIFORNIA - NORTH | 2 | 9,456 | 917,974 | 93 | 608,817 | 63,207,171 |
| CALIFORNIA -CENTRAL COASTAL | 192 | 909,435 | 146,556,958 | 1 | 6,600 | 683,640 |
| CALIFORNIA - EAST CENTRAL | 1,783 | 4,271,173 | 787,845 | 7 | 40,339 | 2,272,129 |
| CALIFORNIA - SOUTH | 135 | 569,222 | 77,131,495 | -- | -- | -- |
| CALIFORNIA - OFFSHORE | 153 | 887,977 | 314,151,014 | 5 | 60,510 | 21,185,562 |
| CALIFORNIA - TOTAL | 2,265 | 6,647,263 | 1,023,545,286 | 106 | 716,266 | 87,348,502 |
| COLORADO | 499 | 3,222,119 | 242,804,154 | 615 | 3,340,823 | 269,158,728 |
| FLORIDA | 9 | 134,958 | 24,307,242 | -- | -- | -- |
| ILLINOIS | 1,617 | 4,314,844 | 173,300,475 | 11 | 5,899 | 194,993 |
| INDIANA | 458 | 381,216 | 32,052,767 | 24 | 29,124 | 1,667,550 |
| KANSAS | 3,692 | 10,907,125 | 412,561,880 | 678 | 2,275,969 | 104,075,039 |
| KENTUCKY | 1,070 | 1,398,890 | 59,790,047 | 204 | 511,406 | 30,553,233 |
| LOUISIANA - NORTH | 1,191 | 3,124,978 | 165,160,571 | 954 | 3,701,174 | 275,262,784 |
| LOUISIANA - SOUTH | 287 | 2,541,719 | 491,715,556 | 291 | 3,780,336 | 1,257,201,115 |
| LOUISIANA - OFFSHORE | 280 | 2,799,225 | 1,052,111,486 | 277 | 3,001,969 | 1,314,179,059 |
| LOUISIANA - TOTAL | 1,758 | 8,465,922 | 1,708,987,613 | 1,522 | 10,483,479 | 2,846,642,958 |
| MICHIGAN | 360 | 1,485,277 | 107,262,672 | 52 | 247,097 | 31,647,713 |
| MISSISSIPPI | 122 | 1,011,378 | 82,533,445 | 65 | 828,442 | 162,427,630 |
| MONTANA | 269 | 1,671,506 | 187,460,707 | 182 | 318,528 | 16,968,615 |
| NEBRASKA | 163 | 747,057 | 31,086,627 | 10 | 35,373 | 1,598,656 |
| NEW MEXICO - EAST | 491 | 2,613,880 | 253,287,417 | 582 | 3,882,378 | 482,658,301 |
| NEW MEXICO - WEST | 169 | 912,307 | 61,681,420 | 392 | 2,157,193 | 163,011,847 |
| NEW MEXICO - TOTAL | 660 | 3,526,187 | 314,968,837 | 974 | 6,039,571 | 645,670,148 |
| NORTH DAKOTA | 362 | 3,655,337 | 523,419,329 | 17 | 223,585 | 40,533,567 |
| OKLAHOMA | 5,206 | 23,291,407 | 1,909,282,244 | 2,256 | 17,908,194 | 3,761,177,382 |
| TEXAS RRC DIST. 1 | 1,717 | 4,551,565 | 267,662,620 | 120 | 627,888 | 59,425,582 |
| TEXAS RRC DIST. 2 | 127 | 774,502 | 58,478,345 | 286 | 2,267,073 | 364,487,654 |
| TEXAS RRC DIST. 3 | 974 | 7,566,419 | 717,189,447 | 378 | 3,579,516 | 541,814,986 |
| TEXAS RRC DIST. 4 | 139 | 753,536 | 57,595,544 | 652 | 5,701,916 | 936,157,082 |
| TEXAS RRC DIST. 5 | 376 | 658,525 | 42,416,011 | 119 | 1,251,550 | 228,914,459 |
| TEXAS RRC DIST. 6 | 372 | 2,174,969 | 175,816,694 | 534 | 5,253,375 | 734,561,293 |
| TEXAS RRC DIST. 7B | 2,056 | 6,331,387 | 295,472,172 | 580 | 1,997,602 | 96,619,676 |
| TEXAS RRC DIST. 7C | 995 | 5,300,885 | 344,577,713 | 566 | 3,749,641 | 239,191,524 |
| TEXAS RRC DIST. 8 | 2,094 | 11,257,205 | 856,981,766 | 125 | 1,216,577 | 312,433,673 |
| TEXAS RRC DIST. 8A | 1,473 | 8,130,901 | 520,240,297 | 19 | 114,154 | 4,995,085 |
| TEXAS RRC DIST. 9 | 1,931 | 6,184,534 | 304,403,094 | 232 | 1,331,018 | 103,957,939 |
| TEXAS RRC DIST. 10 | 680 | 3,068,949 | 214,653,656 | 314 | 2,519,669 | 370,363,047 |
| TEXAS - OFFSHORE | 17 | 150,052 | 63,210,416 | 137 | 1,280,986 | 729,887,129 |
| TEXAS - TOTAL | 12,951 | 56,903,429 | 3,918,697,775 | 4,062 | 30,890,965 | 4,722,809,129 |
| UTAH | 170 | 1,165,680 | 197,704,591 | 125 | 819,333 | 140,419,035 |
| WYOMING | 772 | 4,658,033 | 456,324,502 | 211 | 2,277,834 | 635,204,030 |
| APPALACHIAN * | 2,653 | 6,270,327 | 224,038,090 | 5,446 | 21,612,075 | 894,665,715 |
| OFFSHORE FED. - ALASKA | 2 | 26,524 | 31,271,628 | -- | -- | -- |
| OFFSHORE FED. - ATLANTIC | -- | -- | -- | -- | -- | -- |
| OFFSHORE FED. - GULF NORTH | 33 | 394,996 | 96,385,268 | 23 | 248,138 | 99,802,456 |
| OFFSHORE FED. - PACIFIC | -- | -- | -- | -- | -- | -- |
| OFFSHORE FED - TOTAL | 35 | 421,520 | 127,656,896 | 23 | 248,138 | 99,802,456 |
| OTHER UNITED STATES ** | 282 | 489,090 | 26,739,788 | 217 | 551,777 | 30,298,301 |
| TOTAL OFFSHORE | 486 | 4,269,174 | 1,563,370,022 | 442 | 4,591,603 | 2,165,054,206 |
| TOTAL ONSHORE | 35,379 | 140,035,328 | 10,895,210,432 | 16,610 | 96,211,915 | 12,572,614,054 |
| TOTAL U.S. 1982 | 35,865 | 144,304,502 | 12,458,580,454 | 17,052 | 100,803,518 | 14,737,668,260 |
| EXPLORATORY WELLS | 2,367 | 13,645,445 | 1,699,983,767 | 2,117 | 15,459,989 | 3,275,526,928 |
| DEVELOPMENT WELLS | 33,498 | 130,659,057 | 10,758,596,687 | 14,935 | 85,343,529 | 11,462,141,332 |

* Includes New York, Ohio, Pennsylvania and West Virginia.
** Includes Arizona, Georgia, Idaho, Missouri, Nevada, Oregon, South Dakota, Tennessee, Virginia, and Washington.

COSTS FOR OIL AND GAS WELLS, AND DRY HOLES, BY STATE - 1982

Table 1

| DRY HOLES | | | TOTAL WELLS | | | |
|---|---|---|---|---|---|---|
| WELLS DRILLED | TOTAL FOOTAGE | COST | WELLS DRILLED | TOTAL FOOTAGE | COST | STATE |
| 109 | 729,773 | 90,864,474 | 194 | 1,211,811 | 132,563,538 | ALABAMA |
| 18 | 165,884 | 171,262,863 | 190 | 1,898,989 | 736,968,932 | ALASKA - ONSHORE |
| 2 | 22,388 | 23,717,750 | 3 | 32,788 | 29,957,960 | ALASKA - OFFSHORE |
| 20 | 208,272 | 194,980,613 | 193 | 1,931,777 | 816,926,892 | ALASKA - TOTAL |
| 325 | 1,739,917 | 97,858,874 | 811 | 4,004,951 | 272,573,898 | ARKANSAS |
| 134 | 866,244 | 60,268,630 | 229 | 1,484,517 | 124,393,775 | CALIFORNIA - NORTH |
| 29 | 201,315 | 35,636,367 | 222 | 1,117,350 | 182,876,965 | CALIFORNIA -CENTRAL COASTAL |
| 140 | 805,893 | 82,933,559 | 1,930 | 5,117,410 | 569,993,533 | CALIFORNIA - EAST CENTRAL |
| 13 | 91,051 | 20,170,346 | 148 | 660,273 | 97,301,841 | CALIFORNIA - SOUTH |
| 16 | 155,492 | 106,510,393 | 174 | 1,103,979 | 437,846,969 | CALIFORNIA - OFFSHORE |
| 332 | 2,120,000 | 301,519,295 | 2,703 | 9,483,529 | 1,412,413,083 | CALIFORNIA - TOTAL |
| 655 | 3,443,560 | 165,512,680 | 1,769 | 10,006,502 | 677,475,562 | COLORADO |
| 11 | 132,492 | 16,115,853 | 20 | 267,450 | 40,423,095 | FLORIDA |
| 1,228 | 3,350,447 | 65,869,097 | 2,856 | 7,671,190 | 239,164,565 | ILLINOIS |
| 530 | 1,050,575 | 23,883,362 | 1,012 | 1,960,915 | 57,603,679 | INDIANA |
| 3,297 | 11,659,288 | 264,397,123 | 7,667 | 24,842,382 | 781,034,042 | KANSAS |
| 1,489 | 2,143,821 | 50,606,531 | 2,763 | 4,054,117 | 140,949,811 | KENTUCKY |
| 990 | 4,343,862 | 168,634,679 | 3,135 | 11,170,014 | 609,058,034 | LOUISIANA - NORTH |
| 729 | 8,485,659 | 1,516,015,198 | 1,307 | 14,807,714 | 3,264,931,869 | LOUISIANA - SOUTH |
| 343 | 3,714,540 | 1,309,824,539 | 900 | 9,515,734 | 3,676,115,084 | LOUISIANA - OFFSHORE |
| 2,062 | 16,544,061 | 2,994,474,416 | 5,342 | 35,493,462 | 7,550,104,987 | LOUISIANA - TOTAL |
| 439 | 2,122,862 | 143,602,168 | 851 | 3,855,236 | 282,518,553 | MICHIGAN |
| 406 | 3,494,909 | 359,165,016 | 593 | 5,334,729 | 604,126,091 | MISSISSIPPI |
| 349 | 1,916,550 | 172,685,950 | 800 | 3,906,584 | 377,115,272 | MONTANA |
| 235 | 1,079,299 | 25,226,698 | 408 | 1,861,729 | 57,911,981 | NEBRASKA |
| 292 | 1,777,388 | 182,254,949 | 1,365 | 8,273,646 | 918,200,667 | NEW MEXICO - EAST |
| 76 | 214,044 | 30,133,560 | 637 | 3,283,544 | 254,826,827 | NEW MEXICO - WEST |
| 368 | 1,991,432 | 212,388,509 | 2,002 | 11,557,190 | 1,173,027,494 | NEW MEXICO - TOTAL |
| 321 | 3,117,924 | 314,147,968 | 700 | 7,001,346 | 878,100,864 | NORTH DAKOTA |
| 2,850 | 15,433,374 | 1,888,188,002 | 10,312 | 56,632,975 | 7,558,647,628 | OKLAHOMA |
| 425 | 1,756,745 | 121,294,446 | 2,262 | 6,936,198 | 448,382,648 | TEXAS RRC DIST. 1 |
| 385 | 2,755,517 | 257,685,354 | 798 | 5,797,092 | 680,651,353 | TEXAS RRC DIST. 2 |
| 626 | 5,119,211 | 586,837,009 | 1,978 | 16,265,146 | 1,845,841,442 | TEXAS RRC DIST. 3 |
| 487 | 3,701,337 | 419,063,097 | 1,278 | 10,156,789 | 1,412,815,723 | TEXAS RRC DIST. 4 |
| 217 | 1,077,523 | 88,613,010 | 712 | 2,987,598 | 359,948,480 | TEXAS RRC DIST. 5 |
| 289 | 2,048,763 | 171,150,181 | 1,195 | 9,477,107 | 1,081,528,168 | TEXAS RRC DIST. 6 |
| 1,656 | 4,943,280 | 145,169,912 | 4,292 | 13,272,269 | 537,261,760 | TEXAS RRC DIST. 7B |
| 550 | 2,575,084 | 128,498,180 | 2,111 | 11,625,610 | 712,267,417 | TEXAS RRC DIST. 7C |
| 348 | 2,648,741 | 379,117,660 | 2,567 | 15,122,523 | 1,548,533,099 | TEXAS RRC DIST. 8 |
| 415 | 2,962,942 | 178,196,280 | 1,907 | 11,207,997 | 703,431,662 | TEXAS RRC DIST. 8A |
| 1,573 | 5,128,817 | 140,307,150 | 3,736 | 12,644,369 | 548,668,183 | TEXAS RRC DIST. 9 |
| 144 | 1,089,574 | 93,815,198 | 1,138 | 6,678,192 | 678,831,901 | TEXAS RRC DIST. 10 |
| 146 | 1,472,465 | 662,103,563 | 300 | 2,903,503 | 1,455,201,108 | TEXAS - OFFSHORE |
| 7,261 | 37,279,999 | 3,371,856,040 | 24,274 | 125,074,393 | 12,013,362,944 | TEXAS - TOTAL |
| 139 | 885,632 | 240,316,743 | 434 | 2,870,645 | 578,440,369 | UTAH |
| 621 | 4,803,511 | 724,272,328 | 1,604 | 11,739,378 | 1,816,300,860 | WYOMING |
| 368 | 1,210,940 | 42,430,816 | 8,467 | 29,093,342 | 1,161,134,621 | APPALACHIAN* |
| -- | -- | -- | 2 | 26,524 | 31,271,628 | OFFSHORE FED. - ALASKA |
| 5 | 85,180 | 123,009,697 | 5 | 85,180 | 123,009,697 | OFFSHORE FED. - ATLANTIC |
| 19 | 197,974 | 153,073,808 | 75 | 841,108 | 349,261,532 | OFFSHORE FED. - GULF NORTH |
| 5 | 28,236 | 51,156,310 | 5 | 28,236 | 51,156,310 | OFFSHORE FED. - PACIFIC |
| 29 | 311,390 | 327,239,815 | 87 | 981,048 | 554,699,167 | OFFSHORE FED - TOTAL |
| 291 | 740,121 | 144,461,483 | 790 | 1,780,988 | 201,499,572 | OTHER UNITED STATES** |
| 536 | 5,676,275 | 2,425,396,060 | 1,464 | 14,537,052 | 6,153,820,288 | TOTAL OFFSHORE |
| 23,199 | 111,833,874 | 9,806,473,794 | 75,188 | 348,081,117 | 33,274,298,280 | TOTAL ONSHORE |
| 23,735 | 117,510,149 | 12,231,869,854 | 76,652 | 362,618,169 | 39,428,118,568 | TOTAL U.S. 1982 |
| 10,648 | 59,736,669 | 7,451,293,253 | 15,132 | 88,842,103 | 12,426,803,948 | EXPLORATORY WELLS |
| 13,087 | 57,773,480 | 4,780,576,601 | 61,520 | 273,776,066 | 27,001,314,620 | DEVELOPMENT WELLS |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

TOTAL UNITED STATES*

Table 2

| | DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 6,537 | 654 | 2,774 | 9,965 | | | | |
| FOOTAGE | 0 - 1,249 | 5,362,063 | 574,934 | 2,054,381 | 7,991,378 | 820 | 879 | 741 | 802 |
| COSTS $ | | 227,085,740 | 27,464,989 | 61,113,545 | 315,664,274 | 34,739 | 41,995 | 22,031 | 31,677 |
| WELLS | | 6,642 | 2,333 | 3,959 | 12,934 | | | | |
| FOOTAGE | 1,250 - 2,499 | 11,896,259 | 4,527,652 | 7,280,284 | 23,704,195 | 1,791 | 1,941 | 1,839 | 1,833 |
| COSTS $ | | 550,086,958 | 189,987,856 | 196,312,022 | 936,386,836 | 82,819 | 81,435 | 49,586 | 72,397 |
| WELLS | | 7,427 | 2,742 | 4,417 | 14,586 | | | | |
| FOOTAGE | 2,500 - 3,749 | 23,381,348 | 8,882,626 | 14,027,701 | 46,291,675 | 3,148 | 3,239 | 3,176 | 3,174 |
| COSTS $ | | 1,149,855,106 | 420,390,956 | 401,761,515 | 1,972,007,577 | 154,821 | 153,315 | 90,958 | 135,199 |
| WELLS | | 5,028 | 3,427 | 3,829 | 12,284 | | | | |
| FOOTAGE | 3,750 - 4,999 | 22,090,423 | 14,657,979 | 16,655,529 | 53,403,931 | 4,393 | 4,277 | 4,350 | 4,347 |
| COSTS $ | | 1,216,638,224 | 735,238,713 | 545,848,374 | 2,497,725,311 | 241,973 | 214,543 | 142,556 | 203,332 |
| WELLS | | 4,856 | 3,310 | 3,921 | 12,087 | | | | |
| FOOTAGE | 5,000 - 7,499 | 29,713,908 | 19,929,673 | 23,918,491 | 73,562,072 | 6,119 | 6,021 | 6,100 | 6,086 |
| COSTS $ | | 2,210,413,696 | 1,418,857,724 | 1,208,258,477 | 4,837,529,897 | 455,192 | 428,658 | 308,151 | 400,226 |
| WELLS | | 3,696 | 1,854 | 2,215 | 7,765 | | | | |
| FOOTAGE | 7,500 - 9,999 | 31,995,374 | 16,083,272 | 19,157,031 | 67,235,677 | 8,657 | 8,675 | 8,649 | 8,659 |
| COSTS $ | | 3,155,646,731 | 1,938,244,348 | 1,718,403,326 | 6,812,294,405 | 853,801 | 1,045,439 | 775,803 | 877,308 |
| WELLS | | 1,198 | 1,299 | 1,326 | 3,823 | | | | |
| FOOTAGE | 10,000 - 12,499 | 13,156,999 | 14,358,064 | 14,730,055 | 42,245,118 | 10,982 | 11,053 | 11,109 | 11,050 |
| COSTS $ | | 2,176,380,329 | 2,511,946,099 | 2,111,860,661 | 6,800,187,089 | 1,816,678 | 1,933,754 | 1,592,655 | 1,778,757 |
| WELLS | | 396 | 799 | 734 | 1,929 | | | | |
| FOOTAGE | 12,500 - 14,999 | 5,293,626 | 10,808,347 | 9,968,139 | 26,070,112 | 13,368 | 13,527 | 13,581 | 13,515 |
| COSTS $ | | 1,261,299,057 | 2,811,465,949 | 2,183,377,232 | 6,256,142,238 | 3,185,099 | 3,518,731 | 2,974,629 | 3,243,205 |
| WELLS | | 68 | 393 | 349 | 810 | | | | |
| FOOTAGE | 15,000 - 17,499 | 1,091,069 | 6,348,931 | 5,612,553 | 13,052,553 | 16,045 | 16,155 | 16,082 | 16,114 |
| COSTS $ | | 362,310,171 | 2,249,942,451 | 1,787,523,229 | 4,399,775,851 | 5,328,091 | 5,725,045 | 5,121,843 | 5,431,822 |
| WELLS | | 12 | 184 | 143 | 339 | | | | |
| FOOTAGE | 17,500 - 19,999 | 219,670 | 3,401,512 | 2,641,269 | 6,262,451 | 18,306 | 18,486 | 18,470 | 18,473 |
| COSTS $ | | 104,949,333 | 1,712,781,553 | 1,081,666,468 | 2,899,397,354 | 8,745,778 | 9,308,595 | 7,564,101 | 8,552,795 |
| WELLS | | 5 | 57 | 68 | 130 | | | | |
| FOOTAGE | 20,000 & OVER | 103,763 | 1,230,528 | 1,464,716 | 2,799,007 | 20,753 | 21,588 | 21,540 | 21,531 |
| COSTS $ | | 43,915,109 | 721,347,622 | 935,745,005 | 1,701,007,736 | 8,783,022 | 12,655,221 | 13,760,956 | 13,084,675 |
| TOTAL WELLS | | 35,865 | 17,052 | 23,735 | 76,652 | | | | |
| TOTAL FOOTAGE | | 144,304,502 | 100,803,518 | 117,510,149 | 362,618,169 | 4,024 | 5,912 | 4,951 | 4,731 |
| TOTAL COSTS $ | | 12,458,580,454 | 14,737,668,260 | 12,231,869,854 | 39,428,118,568 | 347,374 | 864,278 | 515,352 | 514,378 |

* Includes the following states and areas which are not shown separately: Arizona, Georgia, Idaho, Missouri, Nevada, Oregon, South Dakota, Tennessee, Virginia, Washington, Offshore Federal Waters-Alaska, Offshore Federal Waters-Atlantic Coast and Offshore Federal Waters-Pacific Coast.

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

TOTAL OFFSHORE *

Table 3

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | -- | -- | 4 | 4 | | | | |
| FOOTAGE | 0 - 1,249 | -- | -- | 2,763 | 2,763 | -- | -- | 691 | 691 |
| COSTS $ | | -- | -- | 1,613,463 | 1,613,463 | -- | -- | 403,366 | 403,366 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 1,250 - 2,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | 30 | 4 | 6 | 40 | | | | |
| FOOTAGE | 2,500 - 3,749 | 97,099 | 12,558 | 20,627 | 130,284 | 3,237 | 3,140 | 3,438 | 3,257 |
| COSTS $ | | 22,836,570 | 11,513,936 | 15,536,314 | 49,886,820 | 761,219 | 2,878,484 | 2,589,386 | 1,247,171 |
| WELLS | | 56 | 16 | 9 | 81 | | | | |
| FOOTAGE | 3,750 - 4,999 | 251,460 | 69,773 | 39,212 | 360,445 | 4,490 | 4,361 | 4,357 | 4,450 |
| COSTS $ | | 60,763,311 | 43,107,670 | 16,076,551 | 119,947,532 | 1,085,059 | 2,694,230 | 1,786,284 | 1,480,834 |
| WELLS | | 105 | 69 | 74 | 248 | | | | |
| FOOTAGE | 5,000 - 7,499 | 652,601 | 451,301 | 477,502 | 1,581,404 | 6,215 | 6,541 | 6,453 | 6,377 |
| COSTS $ | | 189,894,299 | 201,077,744 | 152,772,875 | 543,744,918 | 1,808,517 | 2,914,170 | 2,064,498 | 2,192,520 |
| WELLS | | 94 | 120 | 151 | 365 | | | | |
| FOOTAGE | 7,500 - 9,999 | 833,643 | 1,048,243 | 1,319,655 | 3,201,541 | 8,869 | 8,735 | 8,739 | 8,771 |
| COSTS $ | | 318,757,761 | 424,167,919 | 413,380,829 | 1,156,306,509 | 3,391,040 | 3,534,733 | 2,737,622 | 3,167,963 |
| WELLS | | 131 | 110 | 136 | 377 | | | | |
| FOOTAGE | 10,000 - 12,499 | 1,468,839 | 1,220,508 | 1,531,029 | 4,220,376 | 11,213 | 11,096 | 11,258 | 11,195 |
| COSTS $ | | 566,092,980 | 473,356,305 | 582,905,642 | 1,622,354,927 | 4,321,321 | 4,303,239 | 4,286,071 | 4,303,329 |
| WELLS | | 60 | 85 | 102 | 247 | | | | |
| FOOTAGE | 12,500 - 14,999 | 802,886 | 1,162,076 | 1,381,268 | 3,346,230 | 13,381 | 13,671 | 13,542 | 13,547 |
| COSTS $ | | 327,871,946 | 573,703,666 | 626,669,138 | 1,528,244,750 | 5,464,533 | 6,749,455 | 6,143,815 | 6,187,226 |
| WELLS | | 8 | 28 | 42 | 78 | | | | |
| FOOTAGE | 15,000 - 17,499 | 126,471 | 446,149 | 676,583 | 1,249,203 | 15,809 | 15,934 | 16,109 | 16,015 |
| COSTS $ | | 57,214,524 | 273,420,197 | 417,674,344 | 748,309,065 | 7,151,816 | 9,765,007 | 9,944,627 | 9,593,706 |
| WELLS | | 2 | 10 | 8 | 20 | | | | |
| FOOTAGE | 17,500 - 19,999 | 36,175 | 180,995 | 146,320 | 363,490 | 18,088 | 18,100 | 18,290 | 18,175 |
| COSTS $ | | 19,938,631 | 164,706,769 | 111,595,821 | 296,241,221 | 9,969,316 | 16,470,677 | 13,949,478 | 14,812,061 |
| WELLS | | -- | -- | 4 | 4 | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | 81,316 | 81,316 | -- | -- | 20,329 | 20,329 |
| COSTS $ | | -- | -- | 87,171,083 | 87,171,083 | -- | -- | 21,792,771 | 21,792,771 |
| TOTAL WELLS | | 486 | 442 | 536 | 1,464 | | | | |
| TOTAL FOOTAGE | | 4,269,174 | 4,591,603 | 5,676,275 | 14,537,052 | 8,784 | 10,383 | 10,590 | 9,930 |
| TOTAL COSTS $ | | 1,563,370,022 | 2,165,054,206 | 2,425,396,060 | 6,153,820,288 | 3,216,811 | 4,898,313 | 4,524,993 | 4,203,429 |

* Includes Offshore Federal Waters-Alaska, Offshore Federal Waters-Atlantic Coast, and Offshore Federal Waters-Pacific Coast, which are not shown separately.

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

TOTAL ONSHORE *

Table 4

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 6,537 | 654 | 2,770 | 9,961 | | | | |
| FOOTAGE | 0 - 1,249 | 5,362,063 | 574,934 | 2,051,618 | 7,988,615 | 820 | 879 | 741 | 802 |
| COSTS $ | | 227,085,740 | 27,464,989 | 59,500,082 | 314,050,811 | 34,739 | 41,995 | 21,480 | 31,528 |
| WELLS | | 6,642 | 2,333 | 3,959 | 12,934 | | | | |
| FOOTAGE | 1,250 - 2,499 | 11,896,259 | 4,527,652 | 7,280,284 | 23,704,195 | 1,791 | 1,941 | 1,839 | 1,833 |
| COSTS $ | | 550,086,958 | 189,987,856 | 196,312,022 | 936,386,836 | 82,819 | 81,435 | 49,586 | 72,397 |
| WELLS | | 7,397 | 2,738 | 4,411 | 14,546 | | | | |
| FOOTAGE | 2,500 - 3,749 | 23,284,249 | 8,870,068 | 14,007,074 | 46,161,391 | 3,148 | 3,240 | 3,175 | 3,173 |
| COSTS $ | | 1,127,018,536 | 408,877,020 | 386,225,201 | 1,922,120,757 | 152,362 | 149,334 | 87,560 | 132,141 |
| WELLS | | 4,972 | 3,411 | 3,820 | 12,203 | | | | |
| FOOTAGE | 3,750 - 4,999 | 21,838,963 | 14,588,206 | 16,616,317 | 53,043,486 | 4,392 | 4,277 | 4,350 | 4,347 |
| COSTS $ | | 1,155,874,913 | 692,131,043 | 529,771,823 | 2,377,777,779 | 232,477 | 202,911 | 138,684 | 194,852 |
| WELLS | | 4,751 | 3,241 | 3,847 | 11,839 | | | | |
| FOOTAGE | 5,000 - 7,499 | 29,061,307 | 19,478,372 | 23,440,989 | 71,980,668 | 6,117 | 6,010 | 6,093 | 6,080 |
| COSTS $ | | 2,020,519,397 | 1,217,779,980 | 1,055,485,602 | 4,293,784,979 | 425,283 | 375,742 | 274,366 | 362,681 |
| WELLS | | 3,602 | 1,734 | 2,064 | 7,400 | | | | |
| FOOTAGE | 7,500 - 9,999 | 31,161,731 | 15,035,029 | 17,837,376 | 64,034,136 | 8,651 | 8,671 | 8,642 | 8,653 |
| COSTS $ | | 2,836,888,970 | 1,514,076,429 | 1,305,022,497 | 5,655,987,896 | 787,587 | 873,170 | 632,278 | 764,323 |
| WELLS | | 1,067 | 1,189 | 1,190 | 3,446 | | | | |
| FOOTAGE | 10,000 - 12,499 | 11,688,160 | 13,137,556 | 13,199,026 | 38,024,742 | 10,954 | 11,049 | 11,092 | 11,034 |
| COSTS $ | | 1,610,287,349 | 2,038,589,794 | 1,528,955,019 | 5,177,832,162 | 1,509,173 | 1,714,542 | 1,284,836 | 1,502,563 |
| WELLS | | 336 | 714 | 632 | 1,682 | | | | |
| FOOTAGE | 12,500 - 14,999 | 4,490,740 | 9,646,271 | 8,586,871 | 22,723,882 | 13,365 | 13,510 | 13,587 | 13,510 |
| COSTS $ | | 933,427,111 | 2,237,762,283 | 1,556,708,094 | 4,727,897,488 | 2,778,057 | 3,134,121 | 2,463,146 | 2,810,879 |
| WELLS | | 60 | 365 | 307 | 732 | | | | |
| FOOTAGE | 15,000 - 17,499 | 964,598 | 5,902,782 | 4,935,970 | 11,803,350 | 16,077 | 16,172 | 16,078 | 16,125 |
| COSTS $ | | 305,095,647 | 1,976,522,254 | 1,369,848,885 | 3,651,466,786 | 5,084,928 | 5,415,130 | 4,462,049 | 4,983,343 |
| WELLS | | 10 | 174 | 135 | 319 | | | | |
| FOOTAGE | 17,500 - 19,999 | 183,495 | 3,220,517 | 2,494,949 | 5,898,961 | 18,350 | 18,509 | 18,481 | 18,492 |
| COSTS $ | | 85,010,702 | 1,548,074,734 | 970,070,647 | 2,603,156,133 | 8,501,070 | 8,896,982 | 7,185,709 | 8,160,364 |
| WELLS | | 5 | 57 | 64 | 126 | | | | |
| FOOTAGE | 20,000 & OVER | 103,763 | 1,230,528 | 1,383,400 | 2,717,691 | 20,753 | 21,588 | 21,616 | 21,569 |
| COSTS $ | | 43,915,109 | 721,347,622 | 848,573,922 | 1,613,836,653 | 8,783,022 | 12,655,221 | 13,258,968 | 12,808,227 |
| TOTAL WELLS | | 35,379 | 16,610 | 23,199 | 75,188 | | | | |
| TOTAL FOOTAGE | | 140,035,328 | 96,211,915 | 111,833,874 | 348,081,117 | 3,958 | 5,792 | 4,821 | 4,629 |
| TOTAL COSTS $ | | 10,895,210,432 | 12,572,614,054 | 9,806,473,794 | 33,274,298,280 | 307,957 | 756,930 | 422,711 | 442,548 |

* Includes the following states and areas which are not shown separately: Arizona, Georgia, Idaho, Missouri, Nevada, Oregon, South Dakota, Tennessee, Virginia and Washington. NOTE: Includes Alaska-Onshore.

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982



Table 5

| | DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | -- | -- | 2 | 2 | | | | |
| FOOTAGE | 0 - 1,249 | -- | -- | 570 | 570 | -- | -- | 285 | 285 |
| COSTS $ | | -- | -- | 71,100 | 71,100 | -- | -- | 35,550 | 35,550 |
| WELLS | | 2 | 19 | 27 | 48 | | | | |
| FOOTAGE | 1,250 - 2,499 | 4,655 | 39,777 | 53,650 | 98,082 | 2,328 | 2,094 | 1,987 | 2,043 |
| COSTS $ | | 357,334 | 4,299,438 | 3,218,817 | 7,875,589 | 178,667 | 226,286 | 119,215 | 164,075 |
| WELLS | | 2 | 24 | 24 | 50 | | | | |
| FOOTAGE | 2,500 - 3,749 | 5,419 | 72,209 | 71,381 | 149,009 | 2,710 | 3,009 | 2,974 | 2,980 |
| COSTS $ | | 670,972 | 6,071,158 | 3,937,588 | 10,679,718 | 335,486 | 252,965 | 164,066 | 213,594 |
| WELLS | | 3 | 13 | 18 | 34 | | | | |
| FOOTAGE | 3,750 - 4,999 | 11,928 | 56,403 | 79,138 | 147,469 | 3,976 | 4,339 | 4,397 | 4,337 |
| COSTS $ | | 943,413 | 4,726,475 | 4,388,980 | 10,058,868 | 314,471 | 363,575 | 243,832 | 295,849 |
| WELLS | | 3 | 2 | 4 | 9 | | | | |
| FOOTAGE | 5,000 - 7,499 | 16,687 | 10,235 | 22,729 | 49,651 | 5,562 | 5,118 | 5,682 | 5,517 |
| COSTS $ | | 1,289,120 | 951,726 | 1,487,771 | 3,728,617 | 429,707 | 475,863 | 371,943 | 414,291 |
| WELLS | | -- | 1 | 1 | 2 | | | | |
| FOOTAGE | 7,500 - 9,999 | -- | 9,480 | 9,260 | 18,740 | -- | 9,480 | 9,260 | 9,370 |
| COSTS $ | | -- | 778,534 | 777,654 | 1,556,188 | -- | 778,534 | 777,654 | 778,094 |
| WELLS | | 1 | -- | 4 | 5 | | | | |
| FOOTAGE | 10,000 - 12,499 | 11,315 | -- | 44,539 | 55,854 | 11,315 | -- | 11,135 | 11,171 |
| COSTS $ | | 1,590,279 | -- | 2,544,249 | 4,134,528 | 1,590,279 | -- | 636,062 | 826,906 |
| WELLS | | 3 | -- | 14 | 17 | | | | |
| FOOTAGE | 12,500 - 14,999 | 42,412 | -- | 192,809 | 235,221 | 14,137 | -- | 13,772 | 13,837 |
| COSTS $ | | 6,897,774 | -- | 14,235,145 | 21,132,919 | 2,299,258 | -- | 1,016,796 | 1,243,113 |
| WELLS | | 3 | 6 | 9 | 18 | | | | |
| FOOTAGE | 15,000 - 17,499 | 48,583 | 94,029 | 143,817 | 286,429 | 16,194 | 15,672 | 15,980 | 15,913 |
| COSTS $ | | 13,366,111 | 18,064,861 | 22,436,271 | 53,867,243 | 4,455,371 | 3,010,810 | 2,492,919 | 2,992,625 |
| WELLS | | -- | 2 | 6 | 8 | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | 37,047 | 111,880 | 148,927 | -- | 18,524 | 18,647 | 18,616 |
| COSTS $ | | -- | 18,576,469 | 37,766,899 | 56,343,368 | -- | 9,288,235 | 6,296,483 | 7,042,921 |
| WELLS | | -- | 1 | -- | 1 | | | | |
| FOOTAGE | 20,000 & OVER | -- | 21,859 | -- | 21,859 | -- | 21,859 | -- | 21,859 |
| COSTS $ | | -- | 13,115,400 | -- | 13,115,400 | -- | 13,115,400 | -- | 13,115,400 |
| TOTAL WELLS | | 17 | 63 | 109 | 194 | | | | |
| TOTAL FOOTAGE | | 140,999 | 341,039 | 729,773 | 1,211,811 | 8,294 | 5,015 | 6,695 | 6,246 |
| TOTAL COSTS $ | | 25,115,003 | 66,584,061 | 90,864,474 | 182,563,538 | 1,477,353 | 979,177 | 833,619 | 941,049 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

ALASKA - TOTAL

Table 6

| | DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 0 - 1,249 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 1,250 - 2,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 2,500 - 3,749 | -- | -- | 2,851 | 2,851 | -- | -- | 2,851 | 2,851 |
| COSTS $ | | -- | -- | 2,965,040 | 2,965,040 | -- | -- | 2,965,040 | 2,965,040 |
| WELLS | | 1 | -- | -- | 1 | | | | |
| FOOTAGE | 3,750 - 4,999 | 4,700 | -- | -- | 4,700 | 4,700 | -- | -- | 4,700 |
| COSTS $ | | 9,427,657 | -- | -- | 9,427,657 | 9,427,657 | -- | -- | 9,427,657 |
| WELLS | | 14 | 7 | -- | 21 | | | | |
| FOOTAGE | 5,000 - 7,499 | 99,593 | 39,384 | -- | 138,977 | 7,114 | 5,626 | -- | 6,618 |
| COSTS $ | | 35,271,537 | 25,599,600 | -- | 60,871,137 | 2,519,396 | 3,657,086 | -- | 2,898,626 |
| WELLS | | 52 | 1 | 7 | 60 | | | | |
| FOOTAGE | 7,500 - 9,999 | 467,255 | 7,550 | 61,193 | 535,998 | 8,986 | 7,550 | 8,742 | 8,933 |
| COSTS $ | | 155,364,901 | 5,738,000 | 26,932,147 | 188,035,048 | 2,987,787 | 5,738,000 | 3,847,450 | 3,133,918 |
| WELLS | | 86 | -- | 8 | 94 | | | | |
| FOOTAGE | 10,000 - 12,499 | 947,894 | -- | 87,961 | 1,035,855 | 11,022 | -- | 10,995 | 11,020 |
| COSTS $ | | 298,174,382 | -- | 68,154,169 | 366,328,551 | 3,467,144 | -- | 8,519,271 | 3,897,112 |
| WELLS | | 12 | -- | 3 | 15 | | | | |
| FOOTAGE | 12,500 - 14,999 | 157,129 | -- | 40,339 | 197,468 | 13,094 | -- | 13,446 | 13,165 |
| COSTS $ | | 92,370,202 | -- | 86,574,785 | 178,944,987 | 7,697,517 | -- | 28,858,263 | 11,929,666 |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | 15,928 | 15,928 | -- | -- | 15,928 | 15,928 |
| COSTS $ | | -- | -- | 10,354,472 | 10,354,472 | -- | -- | 10,354,472 | 10,354,472 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 165 | 8 | 20 | 193 | | | | |
| TOTAL FOOTAGE | | 1,676,571 | 46,934 | 208,272 | 1,931,777 | 10,161 | 5,867 | 10,414 | 10,009 |
| TOTAL COSTS $ | | 590,608,679 | 31,337,600 | 194,980,613 | 816,926,892 | 3,579,447 | 3,917,200 | 9,749,031 | 4,232,782 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

ALASKA - ONSHORE

Table 7

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| 0 - 1,249 | WELLS | -- | -- | -- | -- | | | | |
| | FOOTAGE | -- | -- | -- | -- | -- | -- | -- | -- |
| | COSTS $ | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,250 - 2,499 | WELLS | -- | -- | -- | -- | | | | |
| | FOOTAGE | -- | -- | -- | -- | -- | -- | -- | -- |
| | COSTS $ | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,500 - 3,749 | WELLS | -- | -- | 1 | 1 | | | | |
| | FOOTAGE | -- | -- | 2,851 | 2,851 | -- | -- | 2,851 | 2,851 |
| | COSTS $ | -- | -- | 2,965,040 | 2,965,040 | -- | -- | 2,965,040 | 2,965,040 |
| 3,750 - 4,999 | WELLS | 1 | -- | -- | 1 | | | | |
| | FOOTAGE | 4,700 | -- | -- | 4,700 | 4,700 | -- | -- | 4,700 |
| | COSTS $ | 9,427,657 | -- | -- | 9,427,657 | 9,427,657 | -- | -- | 9,427,657 |
| 5,000 - 7,499 | WELLS | 14 | 7 | -- | 21 | | | | |
| | FOOTAGE | 99,593 | 39,384 | -- | 138,977 | 7,114 | 5,626 | -- | 6,618 |
| | COSTS $ | 35,271,537 | 25,599,600 | -- | 60,871,137 | 2,519,396 | 3,657,086 | -- | 2,898,626 |
| 7,500 - 9,999 | WELLS | 52 | 1 | 6 | 59 | | | | |
| | FOOTAGE | 467,255 | 7,550 | 51,664 | 526,469 | 8,986 | 7,550 | 8,611 | 8,923 |
| | COSTS $ | 155,364,901 | 5,738,000 | 18,297,406 | 179,400,307 | 2,987,787 | 5,738,000 | 3,049,568 | 3,040,683 |
| 10,000 - 12,499 | WELLS | 85 | -- | 8 | 93 | | | | |
| | FOOTAGE | 937,494 | -- | 87,961 | 1,025,455 | 11,029 | -- | 10,995 | 11,026 |
| | COSTS $ | 291,934,172 | -- | 68,154,169 | 360,088,341 | 3,434,520 | -- | 8,519,271 | 3,871,918 |
| 12,500 - 14,999 | WELLS | 12 | -- | 2 | 14 | | | | |
| | FOOTAGE | 157,129 | -- | 27,480 | 184,609 | 13,094 | -- | 13,740 | 13,186 |
| | COSTS $ | 92,370,202 | -- | 71,491,776 | 163,861,978 | 7,697,517 | -- | 35,745,889 | 11,704,427 |
| 15,000 - 17,499 | WELLS | -- | -- | 1 | 1 | | | | |
| | FOOTAGE | -- | -- | 15,928 | 15,928 | -- | -- | 15,928 | 15,928 |
| | COSTS $ | -- | -- | 10,354,472 | 10,354,472 | -- | -- | 10,354,472 | 10,354,472 |
| 17,500 - 19,999 | WELLS | -- | -- | -- | -- | | | | |
| | FOOTAGE | -- | -- | -- | -- | -- | -- | -- | -- |
| | COSTS $ | -- | -- | -- | -- | -- | -- | -- | -- |
| 20,000 & OVER | WELLS | -- | -- | -- | -- | | | | |
| | FOOTAGE | -- | -- | -- | -- | -- | -- | -- | -- |
| | COSTS $ | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 164 | 8 | 18 | 190 | | | | |
| TOTAL FOOTAGE | | 1,666,171 | 46,934 | 185,884 | 1,898,989 | 10,160 | 5,867 | 10,327 | 9,995 |
| TOTAL COSTS $ | | 584,368,469 | 31,337,600 | 171,262,863 | 786,968,932 | 3,563,222 | 3,917,200 | 9,514,604 | 4,141,942 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

ALASKA - OFFSHORE

Table 8

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 0 - 1,249 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 1,250 - 2,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 2,500 - 3,749 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 3,750 - 4,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 5,000 - 7,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 7,500 - 9,999 | -- | -- | 9,529 | 9,529 | -- | -- | 9,529 | 9,529 |
| COSTS $ | | -- | -- | 8,634,741 | 8,634,741 | -- | -- | 8,634,741 | 8,634,741 |
| WELLS | | 1 | -- | -- | 1 | | | | |
| FOOTAGE | 10,000 - 12,499 | 10,400 | -- | -- | 10,400 | 10,400 | -- | -- | 10,400 |
| COSTS $ | | 6,240,210 | -- | -- | 6,240,210 | 6,240,210 | -- | -- | 6,240,210 |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | -- | 12,859 | 12,859 | -- | -- | 12,859 | 12,859 |
| COSTS $ | | -- | -- | 15,083,009 | 15,083,009 | -- | -- | 15,083,009 | 15,083,009 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 1 | -- | 2 | 3 | | | | |
| TOTAL FOOTAGE | | 10,400 | -- | 22,388 | 32,788 | 10,400 | -- | 11,194 | 10,929 |
| TOTAL COSTS $ | | 6,240,210 | -- | 23,717,750 | 29,957,960 | 6,240,210 | -- | 11,858,875 | 9,985,987 |

# ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

## ARKANSAS

Table 9

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | -- | 7 | 14 | 21 | | | | |
| FOOTAGE | 0 - 1,249 | -- | 4,547 | 8,020 | 12,567 | -- | 650 | 573 | 598 |
| COSTS $ | | -- | 1,003,654 | 349,197 | 1,352,851 | -- | 143,379 | 24,943 | 64,421 |
| WELLS | | 79 | 9 | 15 | 103 | | | | |
| FOOTAGE | 1,250 - 2,499 | 175,067 | 19,565 | 31,001 | 225,633 | 2,216 | 2,174 | 2,067 | 2,191 |
| COSTS $ | | 6,177,638 | 1,926,422 | 663,326 | 8,767,386 | 78,198 | 214,047 | 44,222 | 85,120 |
| WELLS | | 119 | 15 | 87 | 221 | | | | |
| FOOTAGE | 2,500 - 3,749 | 354,641 | 45,953 | 275,608 | 676,202 | 2,980 | 3,064 | 3,168 | 3,060 |
| COSTS $ | | 11,010,985 | 3,843,833 | 6,713,692 | 21,568,510 | 92,529 | 256,256 | 77,169 | 97,595 |
| WELLS | | 36 | 18 | 44 | 98 | | | | |
| FOOTAGE | 3,750 - 4,999 | 151,948 | 82,925 | 190,742 | 425,615 | 4,221 | 4,607 | 4,335 | 4,343 |
| COSTS $ | | 5,212,373 | 7,817,620 | 6,257,564 | 19,287,557 | 144,788 | 434,312 | 142,217 | 196,812 |
| WELLS | | 47 | 85 | 95 | 227 | | | | |
| FOOTAGE | 5,000 - 7,499 | 291,700 | 522,167 | 588,482 | 1,402,349 | 6,206 | 6,143 | 6,195 | 6,178 |
| COSTS $ | | 14,840,663 | 54,942,314 | 29,715,806 | 99,498,783 | 315,759 | 646,380 | 312,798 | 438,321 |
| WELLS | | 27 | 36 | 53 | 116 | | | | |
| FOOTAGE | 7,500 - 9,999 | 223,611 | 298,528 | 442,651 | 964,790 | 8,282 | 8,292 | 8,352 | 8,317 |
| COSTS $ | | 17,886,834 | 34,931,306 | 31,110,861 | 83,929,001 | 662,475 | 970,314 | 586,997 | 723,526 |
| WELLS | | 2 | 5 | 12 | 19 | | | | |
| FOOTAGE | 10,000 - 12,499 | 21,400 | 57,876 | 132,342 | 211,618 | 10,700 | 11,575 | 11,029 | 11,138 |
| COSTS $ | | 2,703,312 | 9,156,095 | 11,586,679 | 23,446,086 | 1,351,656 | 1,831,219 | 965,557 | 1,234,005 |
| WELLS | | -- | -- | 4 | 4 | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | -- | 54,921 | 54,921 | -- | -- | 13,730 | 13,730 |
| COSTS $ | | -- | -- | 7,617,998 | 7,617,998 | -- | -- | 1,904,500 | 1,904,500 |
| WELLS | | -- | 1 | 1 | 2 | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | 15,106 | 16,150 | 31,256 | -- | 15,106 | 16,150 | 15,628 |
| COSTS $ | | -- | 3,261,975 | 3,843,751 | 7,105,726 | -- | 3,261,975 | 3,843,751 | 3,552,863 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 310 | 176 | 325 | 811 | | | | |
| TOTAL FOOTAGE | | 1,218,367 | 1,046,667 | 1,739,917 | 4,004,951 | 3,930 | 5,947 | 5,354 | 4,938 |
| TOTAL COSTS $ | | 57,831,805 | 116,833,219 | 97,858,874 | 272,573,898 | 186,554 | 664,109 | 301,104 | 336,096 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

CALIFORNIA - TOTAL

Table 10

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 748 | -- | 18 | 766 | | | | |
| FOOTAGE | 0 - 1,249 | 675,428 | -- | 15,069 | 690,497 | 903 | -- | 837 | 901 |
| COSTS $ | | 62,598,786 | -- | 2,052,986 | 64,751,772 | 83,822 | -- | 114,055 | 84,532 |
| WELLS | | 587 | 3 | 34 | 624 | | | | |
| FOOTAGE | 1,250 - 2,499 | 993,177 | 6,006 | 63,616 | 1,062,799 | 1,692 | 2,002 | 1,871 | 1,703 |
| COSTS $ | | 89,042,205 | 819,058 | 6,555,107 | 96,416,370 | 151,690 | 273,019 | 192,797 | 154,513 |
| WELLS | | 342 | 7 | 35 | 384 | | | | |
| FOOTAGE | 2,500 - 3,749 | 1,036,412 | 23,560 | 107,509 | 1,167,481 | 3,030 | 3,366 | 3,072 | 3,040 |
| COSTS $ | | 123,335,568 | 2,763,268 | 5,999,678 | 132,098,514 | 360,630 | 394,753 | 171,419 | 344,007 |
| WELLS | | 167 | 10 | 41 | 218 | | | | |
| FOOTAGE | 3,750 - 4,999 | 743,854 | 40,223 | 183,364 | 967,441 | 4,454 | 4,022 | 4,472 | 4,438 |
| COSTS $ | | 106,116,302 | 4,302,683 | 11,930,162 | 122,349,147 | 635,427 | 430,268 | 290,980 | 561,235 |
| WELLS | | 246 | 54 | 80 | 380 | | | | |
| FOOTAGE | 5,000 - 7,499 | 1,498,300 | 334,747 | 493,030 | 2,326,077 | 6,091 | 6,199 | 6,163 | 6,121 |
| COSTS $ | | 236,056,142 | 29,045,264 | 37,767,915 | 302,869,321 | 959,578 | 537,875 | 472,099 | 797,025 |
| WELLS | | 113 | 19 | 66 | 198 | | | | |
| FOOTAGE | 7,500 - 9,999 | 960,830 | 163,473 | 568,548 | 1,692,851 | 8,503 | 8,604 | 8,614 | 8,550 |
| COSTS $ | | 168,888,039 | 17,299,949 | 64,540,527 | 250,728,515 | 1,494,584 | 910,524 | 977,887 | 1,266,306 |
| WELLS | | 42 | 12 | 42 | 96 | | | | |
| FOOTAGE | 10,000 - 12,499 | 462,001 | 135,357 | 468,797 | 1,066,155 | 11,000 | 11,280 | 11,162 | 11,106 |
| COSTS $ | | 137,380,421 | 28,540,665 | 112,732,142 | 278,653,228 | 3,270,963 | 2,378,389 | 2,684,099 | 2,902,638 |
| WELLS | | 18 | 1 | 15 | 34 | | | | |
| FOOTAGE | 12,500 - 14,999 | 245,414 | 12,900 | 204,867 | 463,181 | 13,634 | 12,900 | 13,658 | 13,623 |
| COSTS $ | | 88,661,466 | 4,577,615 | 57,210,133 | 150,449,214 | 4,925,637 | 4,577,615 | 3,814,009 | 4,424,977 |
| WELLS | | 2 | -- | 1 | 3 | | | | |
| FOOTAGE | 15,000 - 17,499 | 31,847 | -- | 15,200 | 47,047 | 15,924 | -- | 15,200 | 15,682 |
| COSTS $ | | 11,366,357 | -- | 2,730,645 | 14,097,002 | 5,683,179 | -- | 2,730,645 | 4,699,001 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 2,265 | 106 | 332 | 2,703 | | | | |
| TOTAL FOOTAGE | | 6,647,263 | 716,266 | 2,120,000 | 9,483,529 | 2,935 | 6,757 | 6,386 | 3,509 |
| TOTAL COSTS $ | | 1,023,545,286 | 87,348,502 | 301,519,295 | 1,412,413,083 | 451,896 | 824,043 | 908,191 | 522,535 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

CALIFORNIA - NORTH

Table 11

| | DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 0 - 1,249 | -- | -- | 592 | 592 | -- | -- | 592 | 592 |
| COSTS $ | | -- | -- | 123,415 | 123,415 | -- | -- | 123,415 | 123,415 |
| WELLS | | 1 | 2 | 3 | 6 | | | | |
| FOOTAGE | 1,250 - 2,499 | 1,841 | 4,008 | 5,478 | 11,327 | 1,841 | 2,004 | 1,826 | 1,888 |
| COSTS $ | | 232,624 | 709,168 | 1,952,634 | 2,894,426 | 232,624 | 354,584 | 650,878 | 482,404 |
| WELLS | | -- | 6 | 13 | 19 | | | | |
| FOOTAGE | 2,500 - 3,749 | -- | 19,960 | 39,742 | 59,702 | -- | 3,327 | 3,057 | 3,142 |
| COSTS $ | | -- | 2,637,531 | 2,003,749 | 4,641,280 | -- | 439,589 | 154,135 | 244,278 |
| WELLS | | -- | 9 | 21 | 30 | | | | |
| FOOTAGE | 3,750 - 4,999 | -- | 36,423 | 95,046 | 131,469 | -- | 4,047 | 4,526 | 4,382 |
| COSTS $ | | -- | 4,110,783 | 5,428,628 | 9,539,411 | -- | 456,754 | 258,506 | 317,980 |
| WELLS | | -- | 51 | 52 | 103 | | | | |
| FOOTAGE | 5,000 - 7,499 | -- | 316,470 | 317,736 | 634,206 | -- | 6,205 | 6,110 | 6,157 |
| COSTS $ | | -- | 27,804,165 | 18,645,626 | 46,449,791 | -- | 545,180 | 358,570 | 450,969 |
| WELLS | | 1 | 18 | 33 | 52 | | | | |
| FOOTAGE | 7,500 - 9,999 | 7,615 | 155,029 | 280,625 | 443,269 | 7,615 | 8,613 | 8,504 | 8,524 |
| COSTS $ | | 685,350 | 16,814,588 | 16,422,534 | 33,922,472 | 685,350 | 934,144 | 497,653 | 652,355 |
| WELLS | | -- | 7 | 9 | 16 | | | | |
| FOOTAGE | 10,000 - 12,499 | -- | 76,927 | 98,905 | 175,832 | -- | 10,990 | 10,989 | 10,990 |
| COSTS $ | | -- | 11,130,936 | 13,031,510 | 24,162,446 | -- | 1,590,134 | 1,447,946 | 1,510,153 |
| WELLS | | -- | -- | 2 | 2 | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | -- | 28,120 | 28,120 | -- | -- | 14,060 | 14,060 |
| COSTS $ | | -- | -- | 2,660,534 | 2,660,534 | -- | -- | 1,330,267 | 1,330,267 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 2 | 93 | 134 | 229 | | | | |
| TOTAL FOOTAGE | | 9,456 | 608,817 | 866,244 | 1,484,517 | 4,728 | 6,546 | 6,465 | 6,483 |
| TOTAL COSTS $ | | 917,974 | 63,207,171 | 60,268,630 | 124,393,775 | 458,987 | 679,647 | 449,766 | 543,204 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

CALIFORNIA -CENTRAL COASTAL

Table 12

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| | | 4 | -- | -- | 4 | 693 | -- | -- | 693 |
| WELLS | | 2,771 | -- | -- | 2,771 | 65,407 | -- | -- | 65,407 |
| FOOTAGE | 0 - 1,249 | 261,629 | -- | -- | 261,629 | | | | |
| COSTS $ | | | | | | | | | |
| | | 50 | -- | 6 | 56 | 2,127 | -- | 2,168 | 2,132 |
| WELLS | | 106,358 | -- | 13,009 | 119,367 | 176,685 | -- | 368,716 | 197,260 |
| FOOTAGE | 1,250 - 2,499 | 8,834,249 | -- | 2,212,296 | 11,046,545 | | | | |
| COSTS $ | | | | | | | | | |
| | | 39 | -- | 3 | 42 | 2,827 | -- | 2,932 | 2,835 |
| WELLS | | 110,263 | -- | 8,795 | 119,058 | 295,613 | -- | 290,979 | 295,282 |
| FOOTAGE | 2,500 - 3,749 | 11,528,920 | -- | 872,936 | 12,401,856 | | | | |
| COSTS $ | | | | | | | | | |
| | | 22 | -- | 2 | 24 | 4,430 | -- | 4,360 | 4,424 |
| WELLS | | 97,466 | -- | 8,720 | 106,186 | 773,330 | -- | 547,667 | 754,525 |
| FOOTAGE | 3,750 - 4,999 | 17,013,269 | -- | 1,095,334 | 18,108,603 | | | | |
| COSTS $ | | | | | | | | | |
| | | 50 | 1 | 6 | 57 | 6,069 | 6,600 | 6,023 | 6,073 |
| WELLS | | 303,434 | 6,600 | 36,136 | 346,170 | 860,755 | 683,640 | 573,224 | 827,381 |
| FOOTAGE | 5,000 - 7,499 | 43,037,744 | 683,640 | 3,439,346 | 47,160,730 | | | | |
| COSTS $ | | | | | | | | | |
| | | 13 | -- | 3 | 16 | 8,688 | -- | 8,542 | 8,661 |
| WELLS | | 112,944 | -- | 25,625 | 138,569 | 1,618,231 | -- | 1,228,094 | 1,545,080 |
| FOOTAGE | 7,500 - 9,999 | 21,037,001 | -- | 3,684,281 | 24,721,292 | | | | |
| COSTS $ | | | | | | | | | |
| | | 7 | -- | 5 | 12 | 10,787 | -- | 10,766 | 10,778 |
| WELLS | | 75,510 | -- | 53,828 | 129,338 | 3,278,643 | -- | 1,892,962 | 2,701,276 |
| FOOTAGE | 10,000 - 12,499 | 22,950,497 | -- | 9,464,810 | 32,415,307 | | | | |
| COSTS $ | | | | | | | | | |
| | | 6 | -- | 4 | 10 | 14,107 | -- | 13,801 | 13,984 |
| WELLS | | 84,642 | -- | 55,202 | 139,844 | 2,806,474 | -- | 3,716,841 | 3,170,621 |
| FOOTAGE | 12,500 - 14,999 | 16,838,844 | -- | 14,867,364 | 31,706,208 | | | | |
| COSTS $ | | | | | | | | | |
| | | 1 | -- | -- | 1 | 16,047 | -- | -- | 16,047 |
| WELLS | | 16,047 | -- | -- | 16,047 | 5,054,805 | -- | -- | 5,054,805 |
| FOOTAGE | 15,000 - 17,499 | 5,054,805 | -- | -- | 5,054,805 | | | | |
| COSTS $ | | | | | | | | | |
| | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | -- | -- | -- | -- |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | | | | |
| COSTS $ | | | | | | | | | |
| | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | -- | -- | -- | -- |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | | | | |
| COSTS $ | | | | | | | | | |
| | | 192 | 1 | 29 | 222 | 4,737 | 6,600 | 6,942 | 5,033 |
| TOTAL WELLS | | 909,435 | 6,600 | 201,315 | 1,117,350 | 763,318 | 683,640 | 1,228,840 | 823,770 |
| TOTAL FOOTAGE | | 146,556,958 | 683,640 | 35,636,367 | 182,876,965 | | | | |
| TOTAL COSTS $ | | | | | | | | | |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

CALIFORNIA - EAST CENTRAL

Table 13

| | DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 738 | -- | 16 | 754 | | | | |
| FOOTAGE | 0 - 1,249 | 666,652 | -- | 13,427 | 680,079 | 903 | -- | 839 | 902 |
| COSTS $ | | 61,716,329 | -- | 1,680,721 | 63,397,050 | 83,626 | -- | 105,045 | 84,081 |
| WELLS | | 508 | 1 | 24 | 533 | | | | |
| FOOTAGE | 1,250 - 2,499 | 835,664 | 1,998 | 43,689 | 881,351 | 1,645 | 1,998 | 1,820 | 1,654 |
| COSTS $ | | 74,755,638 | 109,890 | 2,066,177 | 76,931,705 | 147,157 | 109,890 | 86,091 | 144,337 |
| WELLS | | 248 | 1 | 18 | 267 | | | | |
| FOOTAGE | 2,500 - 3,749 | 751,533 | 3,600 | 55,391 | 810,524 | 3,030 | 3,600 | 3,077 | 3,036 |
| COSTS $ | | 80,208,755 | 125,737 | 2,472,765 | 82,807,257 | 323,422 | 125,737 | 137,376 | 310,140 |
| WELLS | | 61 | 1 | 17 | 79 | | | | |
| FOOTAGE | 3,750 - 4,999 | 279,311 | 3,800 | 74,938 | 358,549 | 4,587 | 3,800 | 4,408 | 4,539 |
| COSTS $ | | 28,054,024 | 191,900 | 4,810,901 | 33,056,825 | 459,902 | 191,900 | 282,994 | 418,441 |
| WELLS | | 128 | 2 | 16 | 146 | | | | |
| FOOTAGE | 5,000 - 7,499 | 802,393 | 11,677 | 103,526 | 917,596 | 6,269 | 5,839 | 6,470 | 6,285 |
| COSTS $ | | 104,471,680 | 557,459 | 9,604,285 | 114,633,424 | 816,185 | 278,730 | 600,268 | 785,160 |
| WELLS | | 75 | 1 | 23 | 99 | | | | |
| FOOTAGE | 7,500 - 9,999 | 633,219 | 8,444 | 202,200 | 843,863 | 8,443 | 8,444 | 8,791 | 8,524 |
| COSTS $ | | 78,127,187 | 485,361 | 18,194,895 | 96,807,443 | 1,041,696 | 485,361 | 791,082 | 977,853 |
| WELLS | | 16 | 1 | 19 | 36 | | | | |
| FOOTAGE | 10,000 - 12,499 | 178,679 | 10,820 | 216,477 | 405,976 | 11,167 | 10,820 | 11,394 | 11,277 |
| COSTS $ | | 23,574,366 | 801,782 | 28,055,913 | 52,432,061 | 1,473,398 | 801,782 | 1,476,627 | 1,456,446 |
| WELLS | | 8 | -- | 6 | 14 | | | | |
| FOOTAGE | 12,500 - 14,999 | 107,422 | -- | 81,050 | 188,472 | 13,428 | -- | 13,508 | 13,462 |
| COSTS $ | | 27,568,314 | -- | 13,317,257 | 40,885,571 | 3,446,039 | -- | 2,219,543 | 2,920,398 |
| WELLS | | 1 | -- | 1 | 2 | | | | |
| FOOTAGE | 15,000 - 17,499 | 15,800 | -- | 15,200 | 31,000 | 15,800 | -- | 15,200 | 15,500 |
| COSTS $ | | 6,311,552 | -- | 2,730,645 | 9,042,197 | 6,311,552 | -- | 2,730,645 | 4,521,099 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 1,783 | 7 | 140 | 1,930 | | | | |
| TOTAL FOOTAGE | | 4,271,173 | 40,339 | 805,898 | 5,117,410 | 2,395 | 5,763 | 5,756 | 2,652 |
| TOTAL COSTS $ | | 484,787,845 | 2,272,129 | 82,933,559 | 569,993,533 | 271,894 | 324,590 | 592,383 | 295,333 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

CALIFORNIA - SOUTH

Table 14

| DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|
| | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | 6 | -- | 1 | 7 | | | | |
| FOOTAGE 0 - 1,249 | 6,005 | -- | 1,050 | 7,055 | 1,001 | -- | 1,050 | 1,008 |
| COSTS $ | 720,828 | -- | 248,850 | 969,678 | 120,138 | -- | 248,850 | 138,525 |
| WELLS | 28 | -- | 1 | 29 | | | | |
| FOOTAGE 1,250 - 2,499 | 49,314 | -- | 1,440 | 50,754 | 1,761 | -- | 1,440 | 1,750 |
| COSTS $ | 5,219,694 | -- | 324,000 | 5,543,694 | 186,418 | -- | 324,000 | 191,162 |
| WELLS | 26 | -- | -- | 26 | | | | |
| FOOTAGE 2,500 - 3,749 | 81,245 | -- | -- | 81,245 | 3,125 | -- | -- | 3,125 |
| COSTS $ | 11,202,960 | -- | -- | 11,202,960 | 430,883 | -- | -- | 430,883 |
| WELLS | 39 | -- | 1 | 40 | | | | |
| FOOTAGE 3,750 - 4,999 | 165,434 | -- | 4,660 | 170,094 | 4,242 | -- | 4,660 | 4,252 |
| COSTS $ | 19,720,828 | -- | 595,299 | 20,316,127 | 505,662 | -- | 595,299 | 507,903 |
| WELLS | 19 | -- | 4 | 23 | | | | |
| FOOTAGE 5,000 - 7,499 | 104,082 | -- | 23,562 | 127,644 | 5,478 | -- | 5,891 | 5,550 |
| COSTS $ | 12,908,338 | -- | 3,855,724 | 16,764,062 | 679,386 | -- | 963,931 | 728,872 |
| WELLS | 10 | -- | 2 | 12 | | | | |
| FOOTAGE 7,500 - 9,999 | 84,903 | -- | 16,739 | 101,642 | 8,490 | -- | 8,370 | 8,470 |
| COSTS $ | 12,405,989 | -- | 2,797,451 | 15,203,440 | 1,240,599 | -- | 1,398,726 | 1,266,953 |
| WELLS | 7 | -- | 3 | 10 | | | | |
| FOOTAGE 10,000 - 12,499 | 78,239 | -- | 30,650 | 108,889 | 11,177 | -- | 10,217 | 10,889 |
| COSTS $ | 14,952,858 | -- | 7,090,286 | 22,043,144 | 2,136,123 | -- | 2,363,429 | 2,204,315 |
| WELLS | -- | -- | 1 | 1 | | | | |
| FOOTAGE 12,500 - 14,999 | -- | -- | 12,950 | 12,950 | -- | -- | 12,950 | 12,950 |
| COSTS $ | -- | -- | 5,258,736 | 5,258,736 | -- | -- | 5,258,736 | 5,258,736 |
| WELLS | -- | -- | -- | -- | | | | |
| FOOTAGE 15,000 - 17,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | -- | -- | -- | -- | | | | |
| FOOTAGE 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | -- | -- | -- | -- | | | | |
| FOOTAGE 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | 135 | -- | 13 | 148 | | | | |
| TOTAL FOOTAGE | 569,222 | -- | 91,051 | 660,273 | 4,216 | -- | 7,004 | 4,461 |
| TOTAL COSTS $ | 77,131,495 | -- | 20,170,346 | 97,301,841 | 571,344 | -- | 1,551,565 | 657,445 |

# ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

## CALIFORNIA - OFFSHORE

Table 15

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 0 - 1,249 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 1,250 - 2,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | 29 | -- | 1 | 30 | | | | |
| FOOTAGE | 2,500 - 3,749 | 93,371 | -- | 3,581 | 96,952 | 3,220 | -- | 3,581 | 3,232 |
| COSTS $ | | 20,394,933 | -- | 650,228 | 21,045,161 | 703,274 | -- | 650,228 | 701,505 |
| WELLS | | 45 | -- | -- | 45 | | | | |
| FOOTAGE | 3,750 - 4,999 | 201,143 | -- | -- | 201,143 | 4,470 | -- | -- | 4,470 |
| COSTS $ | | 41,328,181 | -- | -- | 41,328,181 | 918,404 | -- | -- | 918,404 |
| WELLS | | 49 | -- | 2 | 51 | | | | |
| FOOTAGE | 5,000 - 7,499 | 288,391 | -- | 12,070 | 300,461 | 5,886 | -- | 6,035 | 5,891 |
| COSTS $ | | 75,638,380 | -- | 2,222,934 | 77,861,314 | 1,543,640 | -- | 1,111,467 | 1,526,692 |
| WELLS | | 14 | -- | 5 | 19 | | | | |
| FOOTAGE | 7,500 - 9,999 | 122,149 | -- | 43,359 | 165,508 | 8,725 | -- | 8,672 | 8,711 |
| COSTS $ | | 56,632,512 | -- | 23,441,366 | 80,073,878 | 4,045,180 | -- | 4,688,273 | 4,214,415 |
| WELLS | | 12 | 4 | 6 | 22 | | | | |
| FOOTAGE | 10,000 - 12,499 | 129,573 | 47,610 | 68,937 | 246,120 | 10,798 | 11,903 | 11,490 | 11,187 |
| COSTS $ | | 75,902,700 | 16,607,947 | 55,089,623 | 147,600,270 | 6,325,225 | 4,151,987 | 9,181,604 | 6,709,103 |
| WELLS | | 4 | 1 | 2 | 7 | | | | |
| FOOTAGE | 12,500 - 14,999 | 53,350 | 12,900 | 27,545 | 93,795 | 13,338 | 12,900 | 13,773 | 13,399 |
| COSTS $ | | 44,254,308 | 4,577,615 | 21,106,242 | 69,938,165 | 11,063,577 | 4,577,615 | 10,553,121 | 9,991,166 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 153 | 5 | 16 | 174 | | | | |
| TOTAL FOOTAGE | | 887,977 | 60,510 | 155,492 | 1,103,979 | 5,804 | 12,102 | 9,718 | 6,345 |
| TOTAL COSTS $ | | 314,151,014 | 21,185,562 | 102,510,393 | 437,846,969 | 2,053,275 | 4,237,113 | 6,406,900 | 2,516,362 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

COLORADO

Table 16

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 7 | 3 | 25 | 35 | | | | |
| FOOTAGE | 0 - 1,249 | 5,092 | 1,733 | 15,510 | 22,335 | 727 | 578 | 620 | 638 |
| COSTS $ | | 316,976 | 149,903 | 2,620,374 | 3,087,253 | 45,282 | 49,968 | 104,815 | 88,207 |
| WELLS | | 7 | 84 | 69 | 160 | | | | |
| FOOTAGE | 1,250 - 2,499 | 10,221 | 157,771 | 137,563 | 305,555 | 1,460 | 1,878 | 1,994 | 1,910 |
| COSTS $ | | 216,905 | 6,952,709 | 3,475,110 | 10,644,724 | 30,986 | 82,770 | 50,364 | 66,530 |
| WELLS | | 23 | 141 | 79 | 243 | | | | |
| FOOTAGE | 2,500 - 3,749 | 76,445 | 424,984 | 231,688 | 733,117 | 3,324 | 3,014 | 2,933 | 3,017 |
| COSTS $ | | 3,314,855 | 20,982,765 | 5,688,297 | 29,985,917 | 144,124 | 148,814 | 72,004 | 123,399 |
| WELLS | | 40 | 34 | 76 | 150 | | | | |
| FOOTAGE | 3,750 - 4,999 | 187,821 | 147,573 | 356,955 | 692,349 | 4,696 | 4,340 | 4,697 | 4,616 |
| COSTS $ | | 11,627,339 | 10,041,422 | 7,370,376 | 29,039,137 | 290,683 | 295,336 | 96,979 | 193,594 |
| WELLS | | 242 | 176 | 313 | 731 | | | | |
| FOOTAGE | 5,000 - 7,499 | 1,516,097 | 1,159,763 | 1,903,068 | 4,578,928 | 6,265 | 6,590 | 6,080 | 6,264 |
| COSTS $ | | 133,696,301 | 94,872,078 | 68,370,505 | 296,938,884 | 552,464 | 539,046 | 218,436 | 406,209 |
| WELLS | | 179 | 170 | 86 | 435 | | | | |
| FOOTAGE | 7,500 - 9,999 | 1,415,500 | 1,367,602 | 706,289 | 3,489,391 | 7,908 | 8,045 | 8,213 | 8,022 |
| COSTS $ | | 92,102,548 | 115,676,632 | 46,270,806 | 254,049,986 | 514,539 | 680,451 | 538,033 | 584,023 |
| WELLS | | 1 | 6 | 3 | 10 | | | | |
| FOOTAGE | 10,000 - 12,499 | 10,943 | 66,469 | 34,202 | 111,614 | 10,943 | 11,078 | 11,401 | 11,161 |
| COSTS $ | | 1,529,230 | 14,138,819 | 5,998,070* | 21,666,119 | 1,529,230 | 2,356,470 | 1,999,357 | 2,166,612 |
| WELLS | | -- | 1 | 3 | 4 | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | 14,928 | 42,071 | 56,999 | -- | 14,928 | 14,024 | 14,250 |
| COSTS $ | | -- | 6,344,400 | 16,603,433 | 22,947,833 | -- | 6,344,400 | 5,534,478 | 5,736,959 |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | 16,214 | 16,214 | -- | -- | 16,214 | 16,214 |
| COSTS $ | | -- | -- | 9,115,709 | 9,115,709 | -- | -- | 9,115,709 | 9,115,709 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 499 | 615 | 655 | 1,769 | | | | |
| TOTAL FOOTAGE | | 3,222,119 | 3,340,823 | 3,443,560 | 10,006,502 | 6,457 | 5,432 | 5,257 | 5,657 |
| TOTAL COSTS $ | | 242,804,154 | 269,158,728 | 165,512,680 | 677,475,562 | 486,581 | 437,656 | 252,691 | 382,971 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

FLORIDA

Table 17

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 0 - 1,249 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 1,250 - 2,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 2,500 - 3,749 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 3,750 - 4,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 5,000 - 7,499 | -- | -- | 6,100 | 6,100 | -- | -- | 6,100 | 6,100 |
| COSTS $ | | -- | -- | 1,846,004 | 1,846,004 | -- | -- | 1,846,004 | 1,846,004 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 7,500 - 9,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | 1 | -- | 7 | 8 | | | | |
| FOOTAGE | 10,000 - 12,499 | 11,805 | -- | 81,867 | 93,672 | 11,805 | -- | 11,695 | 11,709 |
| COSTS $ | | 2,553,375 | -- | 9,592,309 | 12,145,684 | 2,553,375 | -- | 1,370,330 | 1,518,211 |
| WELLS | | 1 | -- | 1 | 2 | | | | |
| FOOTAGE | 12,500 - 14,999 | 12,550 | -- | 12,650 | 25,200 | 12,550 | -- | 12,650 | 12,600 |
| COSTS $ | | 2,480,538 | -- | 1,468,805 | 3,949,343 | 2,480,538 | -- | 1,468,805 | 1,974,672 |
| WELLS | | 7 | -- | 2 | 9 | | | | |
| FOOTAGE | 15,000 - 17,499 | 110,603 | -- | 31,875 | 142,478 | 15,800 | -- | 15,938 | 15,831 |
| COSTS $ | | 19,273,329 | -- | 3,208,735 | 22,482,064 | 2,753,333 | -- | 1,604,368 | 2,498,007 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 9 | -- | 11 | 20 | | | | |
| TOTAL FOOTAGE | | 134,958 | -- | 132,492 | 267,450 | 14,995 | -- | 12,045 | 13,373 |
| TOTAL COSTS $ | | 24,307,242 | -- | 16,115,853 | 40,423,095 | 2,700,805 | -- | 1,465,078 | 2,021,155 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

ILLINOIS

Table 18

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 273 | 11 | 204 | 488 | | | | |
| FOOTAGE | 0 - 1,249 | 232,885 | 5,899 | 154,389 | 393,173 | 853 | 536 | 757 | 806 |
| COSTS $ | | 12,266,389 | 194,993 | 2,968,623 | 15,430,005 | 44,932 | 17,727 | 14,552 | 31,619 |
| WELLS | | 302 | -- | 191 | 493 | | | | |
| FOOTAGE | 1,250 - 2,499 | 556,542 | -- | 366,438 | 922,980 | 1,843 | -- | 1,919 | 1,872 |
| COSTS $ | | 26,416,398 | -- | 7,593,952 | 34,010,350 | 87,472 | -- | 39,759 | 68,987 |
| WELLS | | 819 | -- | 651 | 1,470 | | | | |
| FOOTAGE | 2,500 - 3,749 | 2,608,314 | -- | 2,074,894 | 4,683,208 | 3,185 | -- | 3,187 | 3,186 |
| COSTS $ | | 100,422,272 | -- | 39,351,225 | 139,773,497 | 122,616 | -- | 60,447 | 95,084 |
| WELLS | | 220 | -- | 178 | 398 | | | | |
| FOOTAGE | 3,750 - 4,999 | 901,746 | -- | 729,803 | 1,631,549 | 4,099 | -- | 4,100 | 4,099 |
| COSTS $ | | 33,540,321 | -- | 14,597,119 | 48,137,440 | 152,456 | -- | 82,006 | 120,948 |
| WELLS | | 3 | -- | 3 | 6 | | | | |
| FOOTAGE | 5,000 - 7,499 | 15,357 | -- | 16,818 | 32,175 | 5,119 | -- | 5,606 | 5,363 |
| COSTS $ | | 655,095 | -- | 491,711 | 1,146,806 | 218,365 | -- | 163,904 | 191,134 |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 7,500 - 9,999 | -- | -- | 8,105 | 8,105 | -- | -- | 8,105 | 8,105 |
| COSTS $ | | -- | -- | 666,467 | 666,467 | -- | -- | 666,467 | 666,467 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 10,000 - 12,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 1,617 | 11 | 1,228 | 2,856 | | | | |
| TOTAL FOOTAGE | | 4,314,844 | 5,899 | 3,350,447 | 7,671,190 | 2,668 | 536 | 2,728 | 2,686 |
| TOTAL COSTS $ | | 173,300,475 | 194,993 | 65,669,097 | 239,164,565 | 107,174 | 17,727 | 53,476 | 83,741 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

INDIANA

Table 19

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 110 | 16 | 113 | 239 | | | | |
| FOOTAGE | 0 - 1,249 | 85,238 | 14,978 | 93,905 | 194,121 | 775 | 936 | 831 | 812 |
| COSTS $ | | 2,378,620 | 658,469 | 3,028,305 | 6,065,394 | 21,624 | 41,154 | 26,799 | 25,378 |
| WELLS | | 217 | 7 | 247 | 471 | | | | |
| FOOTAGE | 1,250 - 2,499 | 412,731 | 11,352 | 459,712 | 883,795 | 1,902 | 1,622 | 1,861 | 1,876 |
| COSTS $ | | 16,310,782 | 724,845 | 11,332,104 | 23,367,731 | 75,165 | 103,549 | 45,879 | 60,229 |
| WELLS | | 126 | 1 | 164 | 291 | | | | |
| FOOTAGE | 2,500 - 3,749 | 361,537 | 2,794 | 469,197 | 833,528 | 2,869 | 2,794 | 2,861 | 2,864 |
| COSTS $ | | 12,630,728 | 284,236 | 9,084,107 | 21,999,071 | 100,244 | 284,236 | 55,391 | 75,598 |
| WELLS | | 5 | -- | 5 | 10 | | | | |
| FOOTAGE | 3,750 - 4,999 | 21,710 | -- | 21,010 | 42,720 | 4,342 | -- | 4,202 | 4,272 |
| COSTS $ | | 732,637 | -- | 310,577 | 1,043,214 | 146,527 | -- | 62,115 | 104,321 |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 5,000 - 7,499 | -- | -- | 6,751 | 6,751 | -- | -- | 6,751 | 6,751 |
| COSTS $ | | -- | -- | 128,269 | 128,269 | -- | -- | 128,269 | 128,269 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 7,500 - 9,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 10,000 - 12,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 458 | 24 | 530 | 1,012 | | | | |
| TOTAL FOOTAGE | | 881,216 | 29,124 | 1,050,575 | 1,960,915 | 1,924 | 1,214 | 1,982 | 1,938 |
| TOTAL COSTS $ | | 32,052,767 | 1,667,550 | 23,883,362 | 57,603,679 | 69,984 | 69,481 | 45,063 | 56,921 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

KANSAS

Table 20

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 760 | 127 | 307 | 1,194 | | | | |
| FOOTAGE | 0 - 1,249 | 644,549 | 99,511 | 261,917 | 1,005,977 | 848 | 784 | 853 | 843 |
| COSTS $ | | 12,794,317 | 4,030,390 | 4,454,031 | 21,278,738 | 16,835 | 31,735 | 14,508 | 17,821 |
| WELLS | | 466 | 71 | 295 | 832 | | | | |
| FOOTAGE | 1,250 - 2,499 | 914,676 | 126,952 | 582,083 | 1,623,711 | 1,963 | 1,788 | 1,973 | 1,952 |
| COSTS $ | | 23,431,371 | 6,701,937 | 12,274,401 | 42,407,709 | 50,282 | 94,393 | 41,608 | 50,971 |
| WELLS | | 1,402 | 171 | 1,158 | 2,731 | | | | |
| FOOTAGE | 2,500 - 3,749 | 4,646,560 | 529,796 | 3,878,723 | 9,055,079 | 3,314 | 3,098 | 3,350 | 3,316 |
| COSTS $ | | 170,755,241 | 25,548,172 | 80,381,644 | 276,685,057 | 121,794 | 149,405 | 69,414 | 101,313 |
| WELLS | | 945 | 202 | 1,298 | 2,445 | | | | |
| FOOTAGE | 3,750 - 4,999 | 4,035,584 | 902,912 | 5,591,982 | 10,530,478 | 4,270 | 4,470 | 4,308 | 4,307 |
| COSTS $ | | 170,169,381 | 36,778,467 | 126,486,192 | 333,434,040 | 180,073 | 182,072 | 97,447 | 136,374 |
| WELLS | | 119 | 106 | 236 | 461 | | | | |
| FOOTAGE | 5,000 - 7,499 | 665,756 | 609,298 | 1,319,263 | 2,594,317 | 5,595 | 5,748 | 5,590 | 5,628 |
| COSTS $ | | 35,411,570 | 30,484,024 | 39,927,787 | 105,823,381 | 297,576 | 287,585 | 169,186 | 229,552 |
| WELLS | | -- | 1 | 3 | 4 | | | | |
| FOOTAGE | 7,500 - 9,999 | -- | 7,500 | 25,320 | 32,820 | -- | 7,500 | 8,440 | 8,205 |
| COSTS $ | | -- | 532,049 | 873,068 | 1,405,117 | -- | 532,049 | 291,023 | 351,279 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 10,000 - 12,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 3,692 | 678 | 3,297 | 7,667 | | | | |
| TOTAL FOOTAGE | | 10,907,125 | 2,273,969 | 11,659,288 | 24,842,382 | 2,954 | 3,357 | 3,536 | 3,240 |
| TOTAL COSTS $ | | 412,561,880 | 104,075,039 | 264,397,123 | 781,034,042 | 111,745 | 153,503 | 80,193 | 101,870 |

# ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

KENTUCKY

Table 21

| | DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 508 | 23 | 559 | 1,090 | | | | |
| FOOTAGE | 0 - 1,249 | 369,297 | 18,922 | 350,302 | 738,521 | 727 | 823 | 627 | 678 |
| COSTS $ | | 17,964,772 | 869,957 | 6,132,409 | 24,967,138 | 35,364 | 37,824 | 10,970 | 22,906 |
| WELLS | | 520 | 80 | 835 | 1,435 | | | | |
| FOOTAGE | 1,250 - 2,499 | 895,656 | 140,213 | 1,495,375 | 2,531,244 | 1,722 | 1,753 | 1,791 | 1,764 |
| COSTS $ | | 34,132,670 | 7,481,330 | 30,735,432 | 72,349,432 | 65,640 | 93,517 | 36,809 | 50,418 |
| WELLS | | 36 | 75 | 86 | 197 | | | | |
| FOOTAGE | 2,500 - 3,749 | 106,670 | 236,947 | 248,251 | 591,868 | 2,963 | 3,159 | 2,887 | 3,004 |
| COSTS $ | | 5,178,988 | 14,598,290 | 7,497,386 | 27,264,664 | 143,861 | 194,511 | 87,179 | 138,399 |
| WELLS | | 5 | 22 | 5 | 32 | | | | |
| FOOTAGE | 3,750 - 4,999 | 22,067 | 93,181 | 20,477 | 135,725 | 4,413 | 4,236 | 4,095 | 4,241 |
| COSTS $ | | 1,734,191 | 6,244,329 | 995,505 | 8,974,025 | 346,838 | 283,833 | 199,101 | 280,438 |
| WELLS | | 1 | 4 | 2 | 7 | | | | |
| FOOTAGE | 5,000 - 7,499 | 5,200 | 22,143 | 10,757 | 38,100 | 5,200 | 5,536 | 5,379 | 5,443 |
| COSTS $ | | 779,426 | 1,369,327 | 756,582 | 2,905,335 | 779,426 | 342,332 | 378,291 | 415,048 |
| WELLS | | -- | -- | 2 | 2 | | | | |
| FOOTAGE | 7,500 - 9,999 | -- | -- | 18,659 | 18,659 | -- | -- | 9,330 | 9,330 |
| COSTS $ | | -- | -- | 4,489,217 | 4,489,217 | -- | -- | 2,244,609 | 2,244,609 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 10,000 - 12,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 1,070 | 204 | 1,489 | 2,763 | | | | |
| TOTAL FOOTAGE | | 1,398,390 | 511,406 | 2,143,821 | 4,054,117 | 1,307 | 2,507 | 1,440 | 1,467 |
| TOTAL COSTS $ | | 59,790,047 | 30,553,233 | 50,606,531 | 140,949,811 | 55,879 | 149,771 | 33,987 | 51,013 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

LOUISIANA - TOTAL

Table 22

| | DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 437 | 18 | 39 | 494 | | | | |
| FOOTAGE | 0 - 1,249 | 431,889 | 17,566 | 36,350 | 485,805 | 988 | 976 | 932 | 983 |
| COSTS $ | | 12,185,252 | 651,163 | 2,889,795 | 15,726,210 | 27,884 | 36,176 | 74,097 | 31,834 |
| WELLS | | 322 | 562 | 157 | 1,041 | | | | |
| FOOTAGE | 1,250 - 2,499 | 578,861 | 1,281,486 | 319,437 | 2,179,784 | 1,798 | 2,280 | 2,035 | 2,094 |
| COSTS $ | | 24,805,762 | 27,703,289 | 8,511,203 | 61,020,254 | 77,037 | 49,294 | 54,211 | 58,617 |
| WELLS | | 265 | 131 | 399 | 795 | | | | |
| FOOTAGE | 2,500 - 3,749 | 816,744 | 383,798 | 1,221,808 | 2,422,350 | 3,082 | 2,930 | 3,062 | 3,047 |
| COSTS $ | | 37,067,137 | 15,198,002 | 19,392,180 | 71,657,319 | 139,876 | 116,015 | 48,602 | 90,135 |
| WELLS | | 69 | 57 | 141 | 267 | | | | |
| FOOTAGE | 3,750 - 4,999 | 303,701 | 238,943 | 613,628 | 1,161,272 | 4,401 | 4,192 | 4,387 | 4,349 |
| COSTS $ | | 33,486,460 | 30,711,385 | 16,835,732 | 81,033,577 | 485,311 | 538,796 | 119,402 | 303,497 |
| WELLS | | 217 | 96 | 286 | 599 | | | | |
| FOOTAGE | 5,000 - 7,499 | 1,343,853 | 609,416 | 1,781,786 | 3,735,055 | 6,193 | 6,348 | 6,230 | 6,235 |
| COSTS $ | | 182,586,416 | 142,042,152 | 119,324,238 | 443,952,806 | 841,412 | 1,479,606 | 417,218 | 741,157 |
| WELLS | | 164 | 198 | 289 | 651 | | | | |
| FOOTAGE | 7,500 - 9,999 | 1,465,292 | 1,748,423 | 2,550,399 | 5,764,114 | 8,935 | 8,830 | 8,825 | 8,854 |
| COSTS $ | | 334,966,509 | 331,339,342 | 305,840,042 | 972,145,893 | 2,042,479 | 1,673,431 | 1,058,270 | 1,493,312 |
| WELLS | | 181 | 199 | 346 | 726 | | | | |
| FOOTAGE | 10,000 - 12,499 | 2,025,279 | 2,201,743 | 3,863,656 | 8,095,683 | 11,189 | 11,064 | 11,181 | 11,151 |
| COSTS $ | | 553,417,280 | 493,744,436 | 601,483,235 | 1,648,644,951 | 3,057,554 | 2,481,128 | 1,738,391 | 2,270,861 |
| WELLS | | 72 | 132 | 226 | 430 | | | | |
| FOOTAGE | 12,500 - 14,999 | 975,521 | 1,801,988 | 3,056,741 | 5,834,250 | 13,549 | 13,651 | 13,525 | 13,568 |
| COSTS $ | | 306,272,450 | 605,722,350 | 690,540,004 | 1,602,534,804 | 4,253,784 | 4,588,806 | 3,055,487 | 3,726,825 |
| WELLS | | 21 | 83 | 112 | 216 | | | | |
| FOOTAGE | 15,000 - 17,499 | 336,105 | 1,323,099 | 1,800,095 | 3,459,299 | 16,005 | 15,941 | 16,072 | 16,015 |
| COSTS $ | | 133,792,080 | 608,189,620 | 566,530,172 | 1,308,510,872 | 6,371,052 | 7,327,574 | 5,058,305 | 6,057,921 |
| WELLS | | 8 | 39 | 49 | 96 | | | | |
| FOOTAGE | 17,500 - 19,999 | 147,391 | 730,704 | 908,127 | 1,786,222 | 18,424 | 18,736 | 18,533 | 18,606 |
| COSTS $ | | 76,698,052 | 493,013,678 | 405,991,812 | 975,703,542 | 9,587,257 | 12,641,376 | 8,285,547 | 10,163,579 |
| WELLS | | 2 | 7 | 18 | 27 | | | | |
| FOOTAGE | 20,000 & OVER | 41,286 | 146,308 | 382,034 | 569,628 | 20,643 | 20,901 | 21,224 | 21,097 |
| COSTS $ | | 13,710,215 | 98,328,541 | 257,136,003 | 369,174,759 | 6,855,108 | 14,046,934 | 14,285,334 | 13,673,139 |
| TOTAL WELLS | | 1,758 | 1,522 | 2,062 | 5,342 | | | | |
| TOTAL FOOTAGE | | 8,465,922 | 10,483,479 | 16,544,061 | 35,493,462 | 4,816 | 6,888 | 8,023 | 6,644 |
| TOTAL COSTS $ | | 1,708,987,613 | 2,846,642,958 | 2,994,474,416 | 7,550,104,987 | 972,120 | 1,870,331 | 1,452,218 | 1,413,348 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

LOUISIANA - NORTH

Table 23

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 437 | 17 | 32 | 486 | | | | |
| FOOTAGE | 0 - 1,249 | 431,889 | 16,460 | 30,872 | 479,221 | 988 | 968 | 965 | 986 |
| COSTS $ | | 12,185,252 | 490,793 | 576,922 | 13,252,967 | 27,884 | 28,870 | 18,029 | 27,269 |
| WELLS | | 292 | 559 | 147 | 998 | | | | |
| FOOTAGE | 1,250 - 2,499 | 515,327 | 1,276,091 | 298,666 | 2,090,084 | 1,765 | 2,283 | 2,032 | 2,094 |
| COSTS $ | | 14,937,252 | 27,045,839 | 6,592,624 | 48,575,715 | 51,155 | 48,383 | 44,848 | 48,673 |
| WELLS | | 248 | 127 | 383 | 758 | | | | |
| FOOTAGE | 2,500 - 3,749 | 763,898 | 371,096 | 1,173,764 | 2,308,758 | 3,080 | 2,922 | 3,065 | 3,046 |
| COSTS $ | | 29,489,936 | 9,163,443 | 15,529,337 | 54,182,716 | 118,911 | 72,153 | 40,547 | 71,481 |
| WELLS | | 34 | 46 | 128 | 208 | | | | |
| FOOTAGE | 3,750 - 4,999 | 147,778 | 188,626 | 561,384 | 897,788 | 4,346 | 4,101 | 4,386 | 4,316 |
| COSTS $ | | 5,863,158 | 6,372,333 | 9,083,303 | 21,318,794 | 172,446 | 138,529 | 70,963 | 102,494 |
| WELLS | | 130 | 42 | 190 | 362 | | | | |
| FOOTAGE | 5,000 - 7,499 | 776,166 | 259,714 | 1,178,150 | 2,214,030 | 5,971 | 6,184 | 6,201 | 6,116 |
| COSTS $ | | 49,576,573 | 16,136,967 | 22,380,303 | 88,093,843 | 381,358 | 384,214 | 117,791 | 243,353 |
| WELLS | | 35 | 96 | 63 | 194 | | | | |
| FOOTAGE | 7,500 - 9,999 | 325,248 | 844,300 | 546,643 | 1,716,191 | 9,293 | 8,795 | 8,677 | 8,846 |
| COSTS $ | | 33,108,797 | 91,850,861 | 29,388,027 | 154,347,685 | 945,966 | 956,780 | 466,477 | 795,607 |
| WELLS | | 15 | 61 | 37 | 113 | | | | |
| FOOTAGE | 10,000 - 12,499 | 164,672 | 662,771 | 404,283 | 1,231,726 | 10,978 | 10,865 | 10,927 | 10,900 |
| COSTS $ | | 19,999,603 | 104,032,764 | 44,244,758 | 168,277,125 | 1,333,307 | 1,705,455 | 1,195,804 | 1,489,178 |
| WELLS | | -- | 6 | 6 | 12 | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | 82,116 | 79,058 | 161,174 | -- | 13,686 | 13,176 | 13,431 |
| COSTS $ | | -- | 20,169,784 | 13,131,896 | 33,301,680 | -- | 3,361,631 | 2,188,649 | 2,775,140 |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | 15,510 | 15,510 | -- | -- | 15,510 | 15,510 |
| COSTS $ | | -- | -- | 3,804,758 | 3,804,758 | -- | -- | 3,804,758 | 3,804,758 |
| WELLS | | -- | -- | 3 | 3 | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | 55,532 | 55,532 | -- | -- | 18,511 | 18,511 |
| COSTS $ | | -- | -- | 23,902,751 | 23,902,751 | -- | -- | 7,967,584 | 7,967,584 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 1,191 | 954 | 990 | 3,135 | | | | |
| TOTAL FOOTAGE | | 3,124,978 | 3,701,174 | 4,343,862 | 11,170,014 | 2,624 | 3,880 | 4,388 | 3,563 |
| TOTAL COSTS $ | | 165,160,571 | 275,262,784 | 168,634,679 | 609,058,034 | 138,674 | 288,535 | 170,338 | 194,277 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

LOUISIANA - SOUTH

Table 24

| | DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | -- | 1 | 3 | 4 | | | | |
| FOOTAGE | 0 - 1,249 | -- | 1,106 | 2,715 | 3,821 | -- | 1,106 | 905 | 955 |
| COSTS $ | | -- | 160,370 | 699,410 | 859,780 | -- | 160,370 | 233,137 | 214,945 |
| WELLS | | 30 | 3 | 10 | 43 | | | | |
| FOOTAGE | 1,250 - 2,499 | 63,534 | 5,395 | 20,771 | 89,700 | 2,118 | 1,798 | 2,077 | 2,086 |
| COSTS $ | | 9,868,510 | 657,450 | 1,918,579 | 12,444,539 | 328,950 | 219,150 | 191,858 | 289,408 |
| WELLS | | 16 | 2 | 14 | 32 | | | | |
| FOOTAGE | 2,500 - 3,749 | 49,118 | 6,510 | 41,584 | 97,212 | 3,070 | 3,255 | 2,970 | 3,038 |
| COSTS $ | | 5,135,564 | 654,623 | 2,259,047 | 8,049,234 | 320,973 | 327,312 | 161,361 | 251,539 |
| WELLS | | 25 | 4 | 8 | 37 | | | | |
| FOOTAGE | 3,750 - 4,999 | 109,510 | 18,097 | 35,349 | 162,956 | 4,380 | 4,524 | 4,419 | 4,404 |
| COSTS $ | | 9,627,398 | 3,866,113 | 2,076,253 | 15,569,764 | 385,096 | 966,528 | 259,532 | 420,804 |
| WELLS | | 37 | 11 | 52 | 100 | | | | |
| FOOTAGE | 5,000 - 7,499 | 241,656 | 71,262 | 321,569 | 634,487 | 6,531 | 6,478 | 6,184 | 6,345 |
| COSTS $ | | 27,993,906 | 9,157,285 | 18,668,638 | 55,819,829 | 756,592 | 832,480 | 359,012 | 558,198 |
| WELLS | | 53 | 36 | 139 | 228 | | | | |
| FOOTAGE | 7,500 - 9,999 | 464,537 | 324,375 | 1,241,517 | 2,030,429 | 8,765 | 9,010 | 8,932 | 8,905 |
| COSTS $ | | 52,058,617 | 43,608,069 | 82,026,057 | 177,692,743 | 982,238 | 1,211,335 | 590,116 | 779,354 |
| WELLS | | 76 | 75 | 217 | 368 | | | | |
| FOOTAGE | 10,000 - 12,499 | 857,137 | 842,296 | 2,424,934 | 4,124,367 | 11,278 | 11,231 | 11,175 | 11,208 |
| COSTS $ | | 138,510,515 | 145,881,157 | 241,272,140 | 525,663,812 | 1,822,507 | 1,945,082 | 1,111,853 | 1,428,434 |
| WELLS | | 29 | 66 | 151 | 246 | | | | |
| FOOTAGE | 12,500 - 14,999 | 394,091 | 902,113 | 2,047,918 | 3,344,122 | 13,589 | 13,668 | 13,562 | 13,594 |
| COSTS $ | | 101,473,854 | 230,425,175 | 327,586,304 | 659,485,333 | 3,499,099 | 3,491,291 | 2,169,446 | 2,680,335 |
| WELLS | | 13 | 55 | 80 | 148 | | | | |
| FOOTAGE | 15,000 - 17,499 | 209,634 | 876,950 | 1,281,814 | 2,368,398 | 16,126 | 15,945 | 16,023 | 16,003 |
| COSTS $ | | 76,577,556 | 334,768,423 | 312,323,592 | 723,669,571 | 5,890,531 | 6,086,699 | 3,904,045 | 4,889,660 |
| WELLS | | 6 | 31 | 39 | 76 | | | | |
| FOOTAGE | 17,500 - 19,999 | 111,216 | 585,924 | 725,702 | 1,422,842 | 18,536 | 18,901 | 18,608 | 18,722 |
| COSTS $ | | 56,759,421 | 389,693,909 | 295,696,360 | 742,149,690 | 9,459,904 | 12,570,771 | 7,581,958 | 9,765,128 |
| WELLS | | 2 | 7 | 16 | 25 | | | | |
| FOOTAGE | 20,000 & OVER | 41,286 | 146,308 | 341,786 | 529,380 | 20,643 | 20,901 | 21,362 | 21,175 |
| COSTS $ | | 13,710,215 | 98,328,541 | 231,488,818 | 343,527,574 | 6,855,108 | 14,046,934 | 14,468,051 | 13,741,103 |
| TOTAL WELLS | | 287 | 291 | 729 | 1,307 | | | | |
| TOTAL FOOTAGE | | 2,541,719 | 3,780,336 | 8,485,659 | 14,807,714 | 8,856 | 12,991 | 11,640 | 11,330 |
| TOTAL COSTS $ | | 491,715,556 | 1,257,201,115 | 1,516,015,198 | 3,264,931,869 | 1,713,295 | 4,320,279 | 2,079,582 | 2,498,035 |

# ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

## LOUISIANA - OFFSHORE

Tab. 25

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| 0 - 1,249 | WELLS | -- | -- | 4 | 4 | -- | -- | 691 | 691 |
| | FOOTAGE | -- | -- | 2,763 | 2,763 | -- | -- | 403,366 | 403,366 |
| | COSTS $ | -- | -- | 1,613,463 | 1,613,463 | | | | |
| 1,250 - 2,499 | WELLS | -- | -- | -- | -- | -- | -- | -- | -- |
| | FOOTAGE | -- | -- | -- | -- | -- | -- | -- | -- |
| | COSTS $ | -- | -- | -- | -- | | | | |
| 2,500 - 3,749 | WELLS | 1 | 2 | 2 | 5 | 3,728 | 3,096 | 3,230 | 3,276 |
| | FOOTAGE | 3,728 | 6,192 | 6,460 | 16,380 | 2,441,637 | 2,689,968 | 801,898 | 1,885,074 |
| | COSTS $ | 2,441,637 | 5,379,936 | 1,603,796 | 9,425,369 | | | | |
| 3,750 - 4,999 | WELLS | 10 | 7 | 5 | 22 | 4,641 | 4,603 | 4,379 | 4,569 |
| | FOOTAGE | 46,413 | 32,220 | 21,895 | 100,528 | 1,799,590 | 2,924,706 | 1,135,235 | 2,006,592 |
| | COSTS $ | 17,995,904 | 20,472,939 | 5,676,176 | 44,145,019 | | | | |
| 5,000 - 7,499 | WELLS | 50 | 43 | 44 | 137 | 6,521 | 6,475 | 6,411 | 6,471 |
| | FOOTAGE | 326,031 | 278,440 | 282,067 | 886,538 | 2,100,319 | 2,715,068 | 1,778,984 | 2,190,067 |
| | COSTS $ | 105,015,937 | 116,747,900 | 78,275,297 | 300,039,134 | | | | |
| 7,500 - 9,999 | WELLS | 76 | 66 | 87 | 229 | 8,888 | 8,784 | 8,761 | 8,810 |
| | FOOTAGE | 675,507 | 579,748 | 762,239 | 2,017,494 | 3,286,830 | 2,967,885 | 2,234,781 | 2,795,220 |
| | COSTS $ | 249,799,095 | 195,880,412 | 194,425,958 | 640,105,465 | | | | |
| 10,000 - 12,499 | WELLS | 90 | 63 | 92 | 245 | 11,150 | 11,058 | 11,298 | 11,182 |
| | FOOTAGE | 1,003,470 | 696,681 | 1,039,439 | 2,739,590 | 4,387,858 | 3,870,326 | 3,434,417 | 3,896,751 |
| | COSTS $ | 394,907,162 | 243,330,515 | 315,966,337 | 954,704,014 | | | | |
| 12,500 - 14,999 | WELLS | 43 | 60 | 69 | 172 | 13,522 | 13,629 | 13,475 | 13,540 |
| | FOOTAGE | 581,430 | 817,759 | 929,765 | 2,328,954 | 4,762,758 | 5,918,790 | 5,069,881 | 5,289,232 |
| | COSTS $ | 204,798,596 | 355,127,391 | 349,821,804 | 909,747,791 | | | | |
| 15,000 - 17,499 | WELLS | 8 | 28 | 31 | 67 | 15,809 | 15,934 | 16,218 | 16,051 |
| | FOOTAGE | 126,471 | 446,149 | 502,771 | 1,075,391 | 7,151,816 | 9,765,007 | 8,077,478 | 8,672,187 |
| | COSTS $ | 57,214,524 | 273,420,197 | 250,401,822 | 581,036,543 | | | | |
| 17,500 - 19,999 | WELLS | 2 | 8 | 7 | 17 | 18,088 | 18,098 | 18,128 | 18,109 |
| | FOOTAGE | 36,175 | 144,780 | 126,893 | 307,848 | 9,969,316 | 12,914,971 | 12,341,814 | 12,332,418 |
| | COSTS $ | 19,938,631 | 103,319,769 | 86,392,701 | 209,651,101 | | | | |
| 20,000 & OVER | WELLS | -- | -- | 2 | 2 | -- | -- | 20,124 | 20,124 |
| | FOOTAGE | -- | -- | 40,248 | 40,249 | -- | -- | 12,823,593 | 12,823,593 |
| | COSTS $ | -- | -- | 25,647,185 | 25,647,185 | | | | |
| TOTAL WELLS | | 280 | 277 | 343 | 900 | 9,997 | 10,837 | 10,830 | 10,573 |
| TOTAL FOOTAGE | | 2,799,225 | 3,001,969 | 3,714,540 | 9,515,734 | 3,757,541 | 4,744,329 | 3,818,731 | 4,084,572 |
| TOTAL COSTS $ | | 1,052,111,486 | 1,314,179,059 | 1,309,824,539 | 3,676,115,084 | | | | |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

MICHIGAN

Table 26

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| | | | | | | | | | |
| WELLS | | 24 | 1 | 27 | 52 | | | | |
| FOOTAGE | 0 - 1,249 | 20,903 | 685 | 22,815 | 44,403 | 871 | 685 | 845 | 854 |
| COSTS $ | | 1,697,239 | 46,099 | 790,551 | 2,533,889 | 70,718 | 46,099 | 29,280 | 48,729 |
| WELLS | | 24 | 8 | 14 | 46 | | | | |
| FOOTAGE | 1,250 - 2,499 | 52,953 | 14,290 | 28,063 | 95,306 | 2,206 | 1,786 | 2,005 | 2,072 |
| COSTS $ | | 3,090,942 | 1,083,314 | 1,592,706 | 5,766,962 | 128,789 | 135,414 | 113,765 | 125,369 |
| WELLS | | 70 | 14 | 103 | 187 | | | | |
| FOOTAGE | 2,500 - 3,749 | 214,449 | 46,612 | 341,026 | 602,087 | 3,064 | 3,329 | 3,311 | 3,220 |
| COSTS $ | | 13,339,342 | 4,456,814 | 20,421,835 | 38,217,991 | 190,562 | 318,344 | 198,270 | 204,374 |
| WELLS | | 168 | 12 | 111 | 291 | | | | |
| FOOTAGE | 3,750 - 4,999 | 749,058 | 52,367 | 488,981 | 1,290,406 | 4,459 | 4,364 | 4,405 | 4,434 |
| COSTS $ | | 53,135,322 | 5,329,802 | 29,981,596 | 88,446,720 | 316,282 | 444,150 | 270,104 | 303,941 |
| WELLS | | 74 | 11 | 159 | 244 | | | | |
| FOOTAGE | 5,000 - 7,499 | 447,914 | 71,197 | 1,005,392 | 1,524,503 | 6,053 | 6,472 | 6,323 | 6,248 |
| COSTS $ | | 35,999,827 | 5,975,669 | 53,873,025 | 95,848,521 | 486,484 | 543,243 | 338,824 | 392,822 |
| WELLS | | -- | 2 | 15 | 17 | | | | |
| FOOTAGE | 7,500 - 9,999 | -- | 17,259 | 121,066 | 138,335 | -- | 8,635 | 8,071 | 8,137 |
| COSTS $ | | -- | 2,548,896 | 10,068,775 | 12,617,671 | -- | 1,274,448 | 671,252 | 742,216 |
| WELLS | | -- | 4 | 8 | 12 | | | | |
| FOOTAGE | 10,000 - 12,499 | -- | 44,677 | 84,936 | 129,613 | -- | 11,169 | 10,617 | 10,801 |
| COSTS $ | | -- | 12,207,119 | 14,758,778 | 26,965,897 | -- | 3,051,780 | 1,844,847 | 2,247,158 |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | -- | 14,724 | 14,724 | -- | -- | 14,724 | 14,724 |
| COSTS $ | | -- | -- | 5,460,122 | 5,460,122 | -- | -- | 5,460,122 | 5,460,122 |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | 15,859 | 15,859 | -- | -- | 15,859 | 15,859 |
| COSTS $ | | -- | -- | 6,660,780 | 6,660,780 | -- | -- | 6,660,780 | 6,660,780 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 360 | 52 | 439 | 851 | | | | |
| TOTAL FOOTAGE | | 1,485,277 | 247,097 | 2,122,862 | 3,855,236 | 4,126 | 4,752 | 4,836 | 4,530 |
| TOTAL COSTS $ | | 107,262,672 | 31,647,713 | 143,608,168 | 282,518,553 | 297,952 | 608,610 | 327,126 | 331,984 |

# ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

## MISSISSIPPI

Table 27

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| 0 - 1,249 | WELLS | -- | -- | -- | -- | | | | |
| | FOOTAGE | -- | -- | -- | -- | -- | -- | -- | -- |
| | COSTS $ | -- | -- | -- | -- | | | | |
| 1,250 - 2,499 | WELLS | -- | 1 | 5 | 6 | | | | |
| | FOOTAGE | -- | 2,081 | 9,390 | 11,471 | -- | 2,081 | 1,878 | 1,912 |
| | COSTS $ | -- | 266,648 | 1,123,424 | 1,390,072 | -- | 266,648 | 224,685 | 231,679 |
| 2,500 - 3,749 | WELLS | -- | 5 | 9 | 14 | | | | |
| | FOOTAGE | -- | 14,579 | 29,309 | 43,888 | -- | 2,916 | 3,257 | 3,135 |
| | COSTS $ | -- | 1,663,196 | 1,362,618 | 3,025,814 | -- | 332,639 | 151,402 | 216,130 |
| 3,750 - 4,999 | WELLS | 21 | 3 | 35 | 59 | | | | |
| | FOOTAGE | 91,182 | 12,875 | 153,955 | 258,012 | 4,342 | 4,292 | 4,399 | 4,373 |
| | COSTS $ | 2,925,002 | 1,157,999 | 5,113,089 | 9,196,090 | 139,286 | 386,000 | 146,088 | 155,866 |
| 5,000 - 7,499 | WELLS | 42 | 10 | 201 | 253 | | | | |
| | FOOTAGE | 260,960 | 56,581 | 1,292,913 | 1,610,454 | 6,213 | 5,658 | 6,432 | 6,365 |
| | COSTS $ | 12,519,986 | 4,738,508 | 32,655,222 | 49,913,716 | 298,095 | 473,851 | 162,464 | 197,287 |
| 7,500 - 9,999 | WELLS | 17 | 1 | 38 | 56 | | | | |
| | FOOTAGE | 142,073 | 9,766 | 306,189 | 458,028 | 8,357 | ,766 | 8,058 | 8,179 |
| | COSTS $ | 8,862,196 | 915,831 | 10,297,017 | 20,075,044 | 521,306 | 5,831 | 270,974 | 358,483 |
| 10,000 - 12,499 | WELLS | 29 | 2 | 39 | 70 | | | | |
| | FOOTAGE | 321,400 | 22,965 | 430,687 | 775,052 | 11,083 | 11,483 | 11,043 | 11,072 |
| | COSTS $ | 27,153,736 | 2,589,812 | 27,161,114 | 56,904,662 | 936,336 | 1,294,906 | 696,439 | 812,924 |
| 12,500 - 14,999 | WELLS | 6 | 11 | 31 | 48 | | | | |
| | FOOTAGE | 83,123 | 155,995 | 426,335 | 665,453 | 13,854 | 14,181 | 13,753 | 13,864 |
| | COSTS $ | 10,251,498 | 21,071,262 | 38,121,004 | 69,443,764 | 1,708,583 | 1,915,569 | 1,229,710 | 1,446,745 |
| 15,000 - 17,499 | WELLS | 7 | 23 | 33 | 63 | | | | |
| | FOOTAGE | 112,640 | 330,771 | 540,518 | 1,033,929 | 16,091 | 16,555 | 16,379 | 16,412 |
| | COSTS $ | 20,821,027 | 74,276,429 | 89,558,898 | 184,656,354 | 2,974,433 | 3,229,410 | 2,713,906 | 2,931,053 |
| 17,500 - 19,999 | WELLS | -- | 7 | 7 | 14 | | | | |
| | FOOTAGE | -- | 131,939 | 130,734 | 262,673 | -- | 18,848 | 18,676 | 18,762 |
| | COSTS $ | -- | 39,063,965 | 40,221,201 | 79,285,166 | -- | 5,580,567 | 5,745,886 | 5,663,226 |
| 20,000 & OVER | WELLS | -- | 2 | 8 | 10 | | | | |
| | FOOTAGE | -- | 40,890 | 174,879 | 215,769 | -- | 20,445 | 21,860 | 21,577 |
| | COSTS $ | -- | 16,683,980 | 113,551,429 | 130,235,409 | -- | 8,341,990 | 14,193,929 | 13,023,541 |
| TOTAL WELLS | | 122 | 65 | 406 | 593 | | | | |
| TOTAL FOOTAGE | | 1,011,378 | 823,442 | 3,494,909 | 5,334,729 | 8,290 | 12,745 | 8,608 | 8,996 |
| TOTAL COSTS $ | | 82,533,445 | 162,427,630 | 359,165,016 | 604,126,091 | 676,504 | 2,498,887 | 884,643 | 1,018,762 |

# ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

## MONTANA

Table 28

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| 0 - 1,249 | WELLS | 3 | 54 | 12 | 69 | 1,018 | 1,026 | 921 | 1,007 |
| | FOOTAGE | 3,054 | 55,386 | 11,050 | 69,490 | 25,475 | 50,678 | 47,060 | 48,953 |
| | COSTS $ | 76,425 | 2,736,600 | 564,715 | 3,377,740 | | | | |
| 1,250 - 2,499 | WELLS | 94 | 112 | 121 | 327 | 1,702 | 1,646 | 1,848 | 1,737 |
| | FOOTAGE | 159,986 | 184,406 | 223,548 | 567,940 | 51,084 | 72,492 | 68,337 | 64,801 |
| | COSTS $ | 4,801,889 | 8,119,154 | 8,268,722 | 21,189,765 | | | | |
| 2,500 - 3,749 | WELLS | 22 | 9 | 27 | 58 | 2,910 | 3,136 | 2,977 | 2,976 |
| | FOOTAGE | 64,019 | 28,221 | 80,373 | 172,613 | 110,420 | 142,280 | 118,739 | 119,237 |
| | COSTS $ | 2,429,244 | 1,280,520 | 3,205,956 | 6,915,720 | | | | |
| 3,750 - 4,999 | WELLS | 9 | 1 | 25 | 35 | 4,416 | 3,987 | 4,235 | 4,274 |
| | FOOTAGE | 39,742 | 3,987 | 105,868 | 149,597 | 232,447 | 219,557 | 192,813 | 203,769 |
| | COSTS $ | 2,092,021 | 219,557 | 4,820,329 | 7,131,907 | | | | |
| 5,000 - 7,499 | WELLS | 22 | 4 | 49 | 75 | 6,187 | 6,072 | 6,190 | 6,183 |
| | FOOTAGE | 136,105 | 24,288 | 303,315 | 463,708 | 514,685 | 370,873 | 472,741 | 479,612 |
| | COSTS $ | 11,323,070 | 1,483,490 | 23,164,307 | 35,970,867 | | | | |
| 7,500 - 9,999 | WELLS | 58 | -- | 46 | 104 | 9,199 | -- | 8,561 | 8,917 |
| | FOOTAGE | 533,551 | -- | 393,786 | 927,337 | 1,030,619 | -- | 1,004,961 | 1,019,270 |
| | COSTS $ | 59,775,884 | -- | 46,228,192 | 106,004,076 | | | | |
| 10,000 - 12,499 | WELLS | 31 | 2 | 53 | 86 | 11,418 | 11,120 | 11,105 | 11,218 |
| | FOOTAGE | 353,969 | 22,240 | 588,547 | 964,756 | 1,593,374 | 1,564,647 | 1,217,776 | 1,361,233 |
| | COSTS $ | 49,394,606 | 3,129,294 | 64,542,133 | 117,066,033 | | | | |
| 12,500 - 14,999 | WELLS | 30 | -- | 15 | 45 | 12,703 | -- | 12,846 | 12,750 |
| | FOOTAGE | 381,080 | -- | 192,688 | 573,768 | 1,918,919 | -- | 1,305,337 | 1,716,392 |
| | COSTS $ | 57,567,568 | -- | 10,580,060 | 77,147,628 | | | | |
| 15,000 - 17,499 | WELLS | -- | -- | 1 | 1 | -- | -- | 17,375 | 17,375 |
| | FOOTAGE | -- | -- | 17,375 | 17,375 | -- | -- | 2,311,536 | 2,311,536 |
| | COSTS $ | -- | -- | 2,311,536 | 2,311,536 | | | | |
| 17,500 - 19,999 | WELLS | -- | -- | -- | -- | -- | -- | -- | -- |
| | FOOTAGE | -- | -- | -- | -- | -- | -- | -- | -- |
| | COSTS $ | -- | -- | -- | -- | | | | |
| 20,000 & OVER | WELLS | -- | -- | -- | -- | -- | -- | -- | -- |
| | FOOTAGE | -- | -- | -- | -- | -- | -- | -- | -- |
| | COSTS $ | -- | -- | -- | -- | | | | |
| TOTAL WELLS | | 269 | 182 | 349 | 800 | 6,214 | 1,750 | 5,492 | 4,883 |
| TOTAL FOOTAGE | | 1,671,506 | 318,528 | 1,916,550 | 3,906,584 | 696,880 | 93,234 | 494,802 | 471,394 |
| TOTAL COSTS $ | | 187,460,707 | 16,968,615 | 172,685,950 | 377,115,272 | | | | |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

NEBRASKA

Table 29

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | -- | -- | 4 | 4 | | | | |
| FOOTAGE | 0 - 1,249 | -- | -- | 3,405 | 3,405 | -- | -- | 851 | 851 |
| COSTS $ | | -- | -- | 152,529 | 152,529 | -- | -- | 38,132 | 38,132 |
| WELLS | | 2 | 1 | 11 | 14 | | | | |
| FOOTAGE | 1,250 - 2,499 | 4,490 | 2,262 | 20,177 | 26,929 | 2,245 | 2,262 | 1,834 | 1,924 |
| COSTS $ | | 246,545 | 106,472 | 748,538 | 1,101,555 | 123,273 | 106,472 | 68,049 | 78,683 |
| WELLS | | 21 | 6 | 30 | 57 | | | | |
| FOOTAGE | 2,500 - 3,749 | 74,728 | 21,004 | 102,802 | 198,534 | 3,558 | 3,501 | 3,427 | 3,483 |
| COSTS $ | | 4,385,676 | 1,006,090 | 3,125,041 | 8,516,807 | 208,842 | 167,682 | 104,168 | 149,418 |
| WELLS | | 106 | 3 | 117 | 226 | | | | |
| FOOTAGE | 3,750 - 4,999 | 451,767 | 12,107 | 513,161 | 977,035 | 4,262 | 4,036 | 4,386 | 4,323 |
| COSTS $ | | 18,233,303 | 486,094 | 12,059,395 | 30,779,292 | 172,017 | 162,031 | 103,072 | 136,192 |
| WELLS | | 33 | -- | 71 | 104 | | | | |
| FOOTAGE | 5,000 - 7,499 | 208,527 | -- | 424,563 | 633,090 | 6,319 | -- | 5,980 | 6,087 |
| COSTS $ | | 7,926,273 | -- | 8,691,200 | 16,617,473 | 240,190 | -- | 122,411 | 159,783 |
| WELLS | | 1 | -- | 2 | 3 | | | | |
| FOOTAGE | 7,500 - 9,999 | 7,545 | -- | 15,191 | 22,736 | 7,545 | -- | 7,596 | 7,579 |
| COSTS $ | | 294,330 | -- | 449,995 | 744,325 | 294,330 | -- | 224,998 | 248,108 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 10,000 - 12,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 163 | 10 | 235 | 408 | | | | |
| TOTAL FOOTAGE | | 747,057 | 35,373 | 1,079,299 | 1,861,729 | 4,583 | 3,537 | 4,593 | 4,563 |
| TOTAL COSTS $ | | 31,086,627 | 1,598,656 | 25,226,698 | 57,911,981 | 190,716 | 159,866 | 107,348 | 141,941 |

# ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

Table 30

## NEW MEXICO - TOTAL

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| 0 - 1,249 | WELLS | 32 | 3 | 53 | 88 | | | | |
| | FOOTAGE | 29,230 | 2,451 | 31,843 | 63,524 | 913 | 817 | 601 | 722 |
| | COSTS $ | 2,660,533 | 97,490 | 2,496,762 | 5,254,785 | 83,142 | 32,497 | 47,109 | 59,713 |
| 1,250 - 2,499 | WELLS | 80 | 54 | 53 | 187 | | | | |
| | FOOTAGE | 137,974 | 106,357 | 92,437 | 336,768 | 1,725 | 1,970 | 1,744 | 1,801 |
| | COSTS $ | 10,156,370 | 6,091,084 | 4,947,629 | 21,195,083 | 126,955 | 112,798 | 93,351 | 113,343 |
| 2,500 - 3,749 | WELLS | 118 | 116 | 44 | 278 | | | | |
| | FOOTAGE | 367,627 | 367,492 | 139,947 | 875,066 | 3,115 | 3,168 | 3,181 | 3,148 |
| | COSTS $ | 27,917,642 | 27,966,143 | 9,007,650 | 64,891,441 | 236,590 | 241,087 | 204,719 | 233,422 |
| 3,750 - 4,999 | WELLS | 133 | 323 | 67 | 523 | | | | |
| | FOOTAGE | 577,356 | 1,380,144 | 283,313 | 2,240,813 | 4,341 | 4,273 | 4,229 | 4,285 |
| | COSTS $ | 40,057,759 | 109,398,638 | 22,522,294 | 171,978,691 | 301,186 | 338,695 | 336,154 | 328,831 |
| 5,000 - 7,499 | WELLS | 160 | 229 | 41 | 430 | | | | |
| | FOOTAGE | 1,002,694 | 1,486,325 | 240,843 | 2,729,862 | 6,267 | 6,491 | 5,874 | 6,349 |
| | COSTS $ | 70,436,694 | 111,613,624 | 17,400,313 | 199,450,631 | 440,229 | 487,396 | 424,398 | 463,839 |
| 7,500 - 9,999 | WELLS | 64 | 101 | 48 | 213 | | | | |
| | FOOTAGE | 537,264 | 830,525 | 420,658 | 1,788,447 | 8,395 | 8,223 | 8,764 | 8,396 |
| | COSTS $ | 53,315,403 | 76,650,966 | 36,986,095 | 168,952,464 | 833,053 | 758,920 | 770,544 | 783,814 |
| 10,000 - 12,499 | WELLS | 49 | 67 | 33 | 149 | | | | |
| | FOOTAGE | 540,642 | 762,041 | 372,829 | 1,675,512 | 11,034 | 11,374 | 11,298 | 11,245 |
| | COSTS $ | 54,647,770 | 100,063,111 | 35,486,649 | 190,197,530 | 1,115,261 | 1,493,479 | 1,075,353 | 1,276,494 |
| 12,500 - 14,999 | WELLS | 20 | 70 | 21 | 111 | | | | |
| | FOOTAGE | 271,972 | 935,262 | 281,326 | 1,488,560 | 13,599 | 13,361 | 13,396 | 13,410 |
| | COSTS $ | 42,318,525 | 171,272,053 | 43,445,402 | 257,035,980 | 2,115,926 | 2,446,744 | 2,068,829 | 2,315,640 |
| 15,000 - 17,499 | WELLS | 4 | 11 | 7 | 22 | | | | |
| | FOOTAGE | 61,428 | 168,974 | 103,801 | 339,263 | 15,357 | 15,361 | 15,552 | 15,421 |
| | COSTS $ | 13,458,135 | 42,517,039 | 23,712,674 | 79,687,848 | 3,364,534 | 3,865,185 | 3,387,525 | 3,622,175 |
| 17,500 - 19,999 | WELLS | -- | -- | 1 | 1 | | | | |
| | FOOTAGE | -- | -- | 19,375 | 19,375 | -- | -- | 19,375 | 19,375 |
| | COSTS $ | -- | -- | 16,383,041 | 16,383,041 | -- | -- | 16,383,041 | 16,383,041 |
| 20,000 & OVER | WELLS | -- | -- | -- | -- | | | | |
| | FOOTAGE | -- | -- | -- | -- | -- | -- | -- | -- |
| | COSTS $ | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 660 | 974 | 368 | 2,002 | | | | |
| TOTAL FOOTAGE | | 3,526,187 | 6,039,571 | 1,991,432 | 11,557,190 | 5,343 | 6,201 | 5,412 | 5,773 |
| TOTAL COSTS $ | | 314,968,837 | 645,670,148 | 212,388,509 | 1,173,027,494 | 477,226 | 662,906 | 577,143 | 585,928 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

NEW MEXICO - WEST

Table 31

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 18 | 3 | 19 | 40 | | | | |
| FOOTAGE | 0 - 1,249 | 17,275 | 2,451 | 14,310 | 34,036 | 960 | 817 | 753 | 851 |
| COSTS $ | | 1,485,242 | 97,490 | 932,349 | 2,515,081 | 82,513 | 32,497 | 49,071 | 62,877 |
| WELLS | | 12 | 51 | 29 | 92 | | | | |
| FOOTAGE | 1,250 - 2,499 | 20,778 | 100,248 | 47,509 | 168,535 | 1,732 | 1,966 | 1,638 | 1,832 |
| COSTS $ | | 363,142 | 5,247,147 | 2,238,608 | 7,848,897 | 30,262 | 102,885 | 77,193 | 85,314 |
| WELLS | | 1 | 53 | 10 | 64 | | | | |
| FOOTAGE | 2,500 - 3,749 | 3,100 | 159,043 | 29,332 | 191,475 | 3,100 | 3,001 | 2,933 | 2,992 |
| COSTS $ | | 64,909 | 8,699,955 | 1,530,767 | 10,295,631 | 64,909 | 164,150 | 153,077 | 160,869 |
| WELLS | | 9 | 20 | 4 | 33 | | | | |
| FOOTAGE | 3,750 - 4,999 | 39,820 | 84,601 | 17,324 | 141,745 | 4,424 | 4,230 | 4,331 | 4,295 |
| COSTS $ | | 1,867,199 | 5,860,543 | 1,227,318 | 8,955,060 | 207,467 | 293,027 | 306,830 | 271,365 |
| WELLS | | 107 | 203 | 10 | 320 | | | | |
| FOOTAGE | 5,000 - 7,499 | 657,094 | 1,321,718 | 60,397 | 2,039,209 | 6,141 | 6,511 | 6,040 | 6,373 |
| COSTS $ | | 43,421,043 | 98,061,992 | 4,041,405 | 145,524,440 | 405,804 | 483,064 | 404,141 | 454,764 |
| WELLS | | 22 | 62 | 3 | 87 | | | | |
| FOOTAGE | 7,500 - 9,999 | 174,240 | 489,132 | 25,797 | 689,169 | 7,920 | 7,889 | 8,599 | 7,921 |
| COSTS $ | | 14,479,885 | 45,044,720 | 3,780,072 | 63,304,677 | 658,177 | 726,528 | 1,260,024 | 727,640 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 10,000 - 12,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | 19,375 | 19,375 | -- | -- | 19,375 | 19,375 |
| COSTS $ | | -- | -- | 16,383,041 | 16,383,041 | -- | -- | 16,383,041 | 16,383,041 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 169 | 392 | 76 | 637 | | | | |
| TOTAL FOOTAGE | | 912,307 | 2,157,193 | 214,044 | 3,283,544 | 5,398 | 5,503 | 2,816 | 5,155 |
| TOTAL COSTS $ | | 61,661,420 | 163,011,847 | 30,133,560 | 254,826,827 | 364,979 | 415,847 | 396,494 | 400,042 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

NEW MEXICO - EAST

Table 32

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 14 | -- | 34 | 48 | | | | |
| FOOTAGE | 0 - 1,249 | 11,955 | -- | 17,533 | 29,488 | 854 | -- | 516 | 614 |
| COSTS $ | | 1,175,291 | -- | 1,564,413 | 2,739,704 | 83,949 | -- | 46,012 | 57,077 |
| WELLS | | 68 | 3 | 24 | 95 | | | | |
| FOOTAGE | 1,250 - 2,499 | 117,196 | 6,109 | 44,928 | 168,233 | 1,723 | 2,036 | 1,872 | 1,771 |
| COSTS $ | | 9,793,228 | 843,937 | 2,709,021 | 13,346,186 | 144,018 | 281,312 | 112,876 | 140,486 |
| WELLS | | 117 | 63 | 34 | 214 | | | | |
| FOOTAGE | 2,500 - 3,749 | 364,527 | 208,449 | 110,615 | 683,591 | 3,116 | 3,309 | 3,253 | 3,194 |
| COSTS $ | | 27,852,739 | 19,266,188 | 7,476,883 | 54,595,810 | 238,058 | 305,813 | 219,908 | 255,121 |
| WELLS | | 124 | 303 | 63 | 490 | | | | |
| FOOTAGE | 3,750 - 4,999 | 537,536 | 1,295,543 | 265,989 | 2,099,068 | 4,335 | 4,276 | 4,222 | 4,284 |
| COSTS $ | | 38,190,560 | 103,538,095 | 21,296,976 | 163,023,631 | 307,988 | 341,710 | 338,016 | 332,701 |
| WELLS | | 53 | 26 | 31 | 110 | | | | |
| FOOTAGE | 5,000 - 7,499 | 345,600 | 164,607 | 180,446 | 690,653 | 6,521 | 6,331 | 5,821 | 6,279 |
| COSTS $ | | 27,015,651 | 13,551,632 | 13,358,908 | 53,926,191 | 509,729 | 521,217 | 430,933 | 490,238 |
| WELLS | | 42 | 39 | 45 | 126 | | | | |
| FOOTAGE | 7,500 - 9,999 | 363,024 | 341,393 | 394,861 | 1,099,278 | 8,643 | 8,754 | 8,775 | 8,724 |
| COSTS $ | | 38,835,518 | 31,606,246 | 33,206,023 | 103,647,787 | 924,655 | 810,417 | 737,912 | 822,602 |
| WELLS | | 49 | 67 | 33 | 149 | | | | |
| FOOTAGE | 10,000 - 12,499 | 540,642 | 762,041 | 372,829 | 1,675,512 | 11,034 | 11,374 | 11,298 | 11,245 |
| COSTS $ | | 54,647,770 | 100,063,111 | 35,486,649 | 190,197,530 | 1,115,261 | 1,493,479 | 1,075,353 | 1,276,494 |
| WELLS | | 20 | 70 | 21 | 111 | | | | |
| FOOTAGE | 12,500 - 14,999 | 271,972 | 935,262 | 281,326 | 1,488,560 | 13,599 | 13,361 | 13,396 | 13,410 |
| COSTS $ | | 42,318,525 | 171,272,053 | 43,445,402 | 257,035,980 | 2,115,926 | 2,446,744 | 2,068,829 | 2,315,640 |
| WELLS | | 4 | 11 | 7 | 22 | | | | |
| FOOTAGE | 15,000 - 17,499 | 61,428 | 168,974 | 108,861 | 339,263 | 15,357 | 15,361 | 15,552 | 15,421 |
| COSTS $ | | 13,458,135 | 42,517,039 | 23,712,674 | 79,687,848 | 3,364,534 | 3,865,185 | 3,387,525 | 3,622,175 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 491 | 582 | 292 | 1,365 | | | | |
| TOTAL FOOTAGE | | 2,613,880 | 3,882,378 | 1,777,388 | 8,273,646 | 5,324 | 6,671 | 6,087 | 6,061 |
| TOTAL COSTS $ | | 253,287,417 | 482,658,301 | 182,254,949 | 918,200,667 | 515,860 | 829,310 | 624,161 | 672,675 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

NORTH DAKOTA

Table 33

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| | | | | | | | | | |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 0 - 1,249 | -- | -- | 1,000 | 1,000 | -- | -- | 1,000 | 1,000 |
| COSTS $ | | -- | -- | 79,248 | 79,248 | -- | -- | 79,248 | 79,248 |
| WELLS | | -- | 1 | 7 | 8 | | | | |
| FOOTAGE | 1,250 - 2,499 | -- | 1,800 | 12,822 | 14,622 | -- | 1,800 | 1,832 | 1,828 |
| COSTS $ | | -- | 180,000 | 1,473,572 | 1,653,572 | -- | 180,000 | 210,510 | 206,697 |
| WELLS | | 3 | -- | 23 | 26 | | | | |
| FOOTAGE | 2,500 - 3,749 | 10,517 | -- | 76,350 | 86,867 | 3,506 | -- | 3,320 | 3,341 |
| COSTS $ | | 602,757 | -- | 3,377,075 | 3,979,832 | 200,919 | -- | 146,829 | 153,070 |
| WELLS | | 26 | -- | 21 | 47 | | | | |
| FOOTAGE | 3,750 - 4,999 | 113,138 | -- | 90,586 | 203,724 | 4,351 | -- | 4,314 | 4,335 |
| COSTS $ | | 6,479,138 | -- | 4,388,506 | 10,867,644 | 249,198 | -- | 208,976 | 231,226 |
| WELLS | | 48 | -- | 29 | 77 | | | | |
| FOOTAGE | 5,000 - 7,499 | 295,120 | -- | 178,307 | 473,427 | 6,148 | -- | 6,149 | 6,148 |
| COSTS $ | | 19,661,356 | -- | 9,758,060 | 29,419,416 | 409,612 | -- | 336,485 | 382,070 |
| WELLS | | 122 | -- | 77 | 199 | | | | |
| FOOTAGE | 7,500 - 9,999 | 1,152,016 | -- | 701,563 | 1,853,579 | 9,443 | -- | 9,111 | 9,314 |
| COSTS $ | | 141,620,370 | -- | 62,036,150 | 203,656,520 | 1,160,823 | -- | 805,664 | 1,023,400 |
| WELLS | | 50 | -- | 71 | 121 | | | | |
| FOOTAGE | 10,000 - 12,499 | 554,246 | -- | 800,150 | 1,354,396 | 11,085 | -- | 11,270 | 11,193 |
| COSTS $ | | 83,070,663 | -- | 34,502,104 | 167,572,767 | 1,661,413 | -- | 1,190,171 | 1,384,899 |
| WELLS | | 113 | 15 | 91 | 219 | | | | |
| FOOTAGE | 12,500 - 14,999 | 1,530,300 | 211,785 | 1,242,083 | 2,984,168 | 13,542 | 14,119 | 13,649 | 13,626 |
| COSTS $ | | 271,985,045 | 38,263,024 | 146,765,236 | 457,013,305 | 2,406,947 | 2,550,868 | 1,612,805 | 2,086,819 |
| WELLS | | -- | 1 | 1 | 2 | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | 15,000 | 15,063 | 30,063 | -- | 15,000 | 15,063 | 15,032 |
| COSTS $ | | -- | 2,090,543 | 1,768,017 | 3,858,560 | -- | 2,090,543 | 1,768,017 | 1,929,280 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 362 | 17 | 321 | 700 | | | | |
| TOTAL FOOTAGE | | 3,653,337 | 228,585 | 3,117,924 | 7,001,846 | 10,098 | 13,446 | 9,713 | 10,003 |
| TOTAL COSTS $ | | 523,419,329 | 40,533,567 | 314,147,968 | 878,100,864 | 1,445,910 | 2,384,328 | 978,654 | 1,254,430 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

OKLAHOMA

Table 34

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| | | 682 | 170 | 288 | 1,140 | | | | |
| WELLS | | 585,673 | 149,190 | 234,865 | 969,728 | 859 | 878 | 816 | 851 |
| FOOTAGE | 0 - 1,249 | 23,588,338 | 7,688,453 | 8,719,708 | 39,996,499 | 34,587 | 45,226 | 30,277 | 35,085 |
| COSTS $ | | | | | | | | | |
| WELLS | | 1,397 | 347 | 499 | 2,043 | | | | |
| FOOTAGE | 1,250 - 2,499 | 2,141,719 | 636,435 | 943,581 | 3,721,735 | 1,789 | 1,834 | 1,891 | 1,822 |
| COSTS $ | | 103,947,327 | 27,352,676 | 24,679,501 | 155,979,504 | 86,840 | 78,826 | 49,458 | 76,348 |
| WELLS | | 801 | 219 | 445 | 1,465 | | | | |
| FOOTAGE | 2,500 - 3,749 | 2,406,785 | 670,575 | 1,370,650 | 4,448,010 | 3,005 | 3,062 | 3,080 | 3,036 |
| COSTS $ | | 128,186,849 | 30,213,054 | 44,819,200 | 203,219,103 | 160,034 | 137,959 | 100,717 | 138,716 |
| WELLS | | 600 | 119 | 446 | 1,165 | | | | |
| FOOTAGE | 3,750 - 4,999 | 2,647,415 | 510,152 | 1,967,918 | 5,125,485 | 4,412 | 4,287 | 4,412 | 4,400 |
| COSTS $ | | 151,674,660 | 26,579,486 | 75,169,309 | 253,423,455 | 252,791 | 223,357 | 168,541 | 217,531 |
| WELLS | | 765 | 325 | 562 | 1,652 | | | | |
| FOOTAGE | 5,000 - 7,499 | 4,665,715 | 2,084,273 | 3,371,027 | 10,121,015 | 6,099 | 6,413 | 5,998 | 6,127 |
| COSTS $ | | 303,490,220 | 141,326,261 | 170,793,316 | 615,609,797 | 396,719 | 434,850 | 303,903 | 372,645 |
| WELLS | | 896 | 305 | 235 | 1,436 | | | | |
| FOOTAGE | 7,500 - 9,999 | 7,748,452 | 2,631,505 | 2,048,276 | 12,428,233 | 8,648 | 8,628 | 8,716 | 8,655 |
| COSTS $ | | 669,285,061 | 229,799,862 | 149,579,062 | 1,048,663,985 | 746,970 | 753,442 | 636,507 | 730,267 |
| WELLS | | 205 | 171 | 103 | 479 | | | | |
| FOOTAGE | 10,000 - 12,499 | 2,229,519 | 1,886,313 | 1,160,685 | 5,276,517 | 10,876 | 11,031 | 11,269 | 11,016 |
| COSTS $ | | 287,547,265 | 254,304,532 | 151,025,351 | 692,877,148 | 1,402,670 | 1,487,161 | 1,466,268 | 1,446,508 |
| WELLS | | 41 | 292 | 108 | 441 | | | | |
| FOOTAGE | 12,500 - 14,999 | 547,386 | 3,956,034 | 1,484,501 | 5,987,921 | 13,351 | 13,548 | 13,745 | 13,578 |
| COSTS $ | | 107,091,827 | 867,439,827 | 303,770,758 | 1,278,352,412 | 2,611,996 | 2,970,856 | 2,812,692 | 2,898,758 |
| WELLS | | 15 | 177 | 93 | 285 | | | | |
| FOOTAGE | 15,000 - 17,499 | 244,780 | 2,879,248 | 1,486,070 | 4,610,098 | 16,319 | 16,267 | 15,979 | 16,176 |
| COSTS $ | | 100,008,943 | 922,508,386 | 416,128,222 | 1,438,645,551 | 6,667,263 | 5,211,912 | 4,474,497 | 5,047,879 |
| WELLS | | 3 | 101 | 51 | 155 | | | | |
| FOOTAGE | 17,500 - 19,999 | 53,408 | 1,851,643 | 937,180 | 2,842,231 | 17,803 | 18,333 | 18,376 | 18,337 |
| COSTS $ | | 22,745,404 | 825,405,378 | 344,168,180 | 1,192,318,962 | 7,581,802 | 8,172,331 | 6,748,396 | 7,692,381 |
| WELLS | | 1 | 30 | 20 | 51 | | | | |
| FOOTAGE | 20,000 & OVER | 20,555 | 652,826 | 428,621 | 1,102,002 | 20,555 | 21,761 | 21,431 | 21,608 |
| COSTS $ | | 11,716,350 | 428,509,467 | 199,335,395 | 639,561,212 | 11,716,350 | 14,283,649 | 9,966,770 | 12,540,416 |
| TOTAL WELLS | | 5,206 | 2,256 | 2,850 | 10,312 | | | | |
| TOTAL FOOTAGE | | 23,291,407 | 17,908,194 | 15,433,374 | 56,632,975 | 4,474 | 7,938 | 5,415 | 5,492 |
| TOTAL COSTS $ | | 1,909,282,244 | 3,761,177,382 | 1,888,183,002 | 7,558,647,628 | 366,747 | 1,667,189 | 682,522 | 732,995 |

# ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

## TEXAS - TOTAL

Table 35

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 1,899 | 95 | 912 | 2,906 | | | | |
| FOOTAGE | 0 - 1,249 | 1,415,630 | 83,907 | 678,917 | 2,178,454 | 745 | 883 | 744 | 750 |
| COSTS $ | | 47,968,438 | 3,867,721 | 18,283,694 | 70,119,853 | 25,260 | 40,713 | 20,048 | 24,129 |
| WELLS | | 1,909 | 276 | 1,175 | 3,360 | | | | |
| FOOTAGE | 1,250 - 2,499 | 3,378,804 | 500,951 | 2,081,442 | 5,961,197 | 1,770 | 1,815 | 1,771 | 1,774 |
| COSTS $ | | 146,650,457 | 23,215,946 | 48,253,726 | 218,120,129 | 76,821 | 84,116 | 41,067 | 64,917 |
| WELLS | | 2,424 | 276 | 816 | 3,516 | | | | |
| FOOTAGE | 2,500 - 3,749 | 7,580,480 | 877,136 | 2,552,052 | 11,009,668 | 3,127 | 3,178 | 3,128 | 3,131 |
| COSTS $ | | 406,325,844 | 50,832,280 | 88,756,631 | 545,914,755 | 167,626 | 184,175 | 108,770 | 155,266 |
| WELLS | | 2,097 | 450 | 1,071 | 3,618 | | | | |
| FOOTAGE | 3,750 - 4,999 | 9,371,447 | 1,959,390 | 4,699,455 | 16,040,292 | 4,469 | 4,376 | 4,388 | 4,433 |
| COSTS $ | | 487,943,639 | 123,953,136 | 163,557,130 | 775,453,905 | 232,687 | 275,451 | 152,714 | 214,332 |
| WELLS | | 2,367 | 930 | 1,525 | 4,822 | | | | |
| FOOTAGE | 5,000 - 7,499 | 14,589,381 | 5,803,009 | 9,321,201 | 29,718,591 | 6,164 | 6,245 | 6,112 | 6,163 |
| COSTS $ | | 918,944,876 | 437,071,362 | 434,878,862 | 1,790,895,100 | 388,232 | 469,969 | 285,166 | 371,401 |
| WELLS | | 1,842 | 929 | 1,030 | 3,801 | | | | |
| FOOTAGE | 7,500 - 9,999 | 15,943,847 | 8,209,853 | 8,884,990 | 33,038,690 | 8,656 | 8,837 | 8,626 | 8,692 |
| COSTS $ | | 1,322,188,514 | 996,804,400 | 728,946,584 | 3,047,939,498 | 717,801 | 1,072,986 | 707,715 | 801,878 |
| WELLS | | 376 | 769 | 478 | 1,623 | | | | |
| FOOTAGE | 10,000 - 12,499 | 4,114,220 | 8,465,098 | 5,261,645 | 17,840,963 | 10,942 | 11,008 | 11,005 | 10,993 |
| COSTS $ | | 487,072,109 | 1,443,230,918 | 689,794,623 | 2,620,097,650 | 1,295,405 | 1,876,763 | 1,443,085 | 1,614,355 |
| WELLS | | 32 | 224 | 158 | 414 | | | | |
| FOOTAGE | 12,500 - 14,999 | 416,527 | 3,000,011 | 2,125,613 | 5,542,151 | 13,016 | 13,393 | 13,453 | 13,387 |
| COSTS $ | | 63,191,067 | 852,278,107 | 510,500,668 | 1,425,969,842 | 1,974,721 | 3,804,813 | 3,231,017 | 3,444,372 |
| WELLS | | 2 | 70 | 61 | 133 | | | | |
| FOOTAGE | 15,000 - 17,499 | 32,300 | 1,127,884 | 984,778 | 2,144,962 | 16,150 | 16,113 | 16,144 | 16,128 |
| COSTS $ | | 14,418,410 | 400,231,492 | 366,259,951 | 780,909,853 | 7,209,205 | 5,717,593 | 6,004,262 | 5,871,503 |
| WELLS | | 1 | 28 | 21 | 50 | | | | |
| FOOTAGE | 17,500 - 19,999 | 18,871 | 521,746 | 385,963 | 926,580 | 18,871 | 18,634 | 18,379 | 18,532 |
| COSTS $ | | 5,505,877 | 267,240,163 | 142,650,490 | 415,396,530 | 5,505,877 | 9,544,292 | 6,792,881 | 8,307,931 |
| WELLS | | 2 | 15 | 14 | 31 | | | | |
| FOOTAGE | 20,000 & OVER | 41,922 | 326,980 | 303,943 | 672,845 | 20,961 | 21,799 | 21,710 | 21,705 |
| COSTS $ | | 18,488,544 | 124,083,604 | 179,973,681 | 322,545,829 | 9,244,272 | 8,272,241 | 12,855,263 | 10,404,704 |
| TOTAL WELLS | | 12,951 | 4,062 | 7,261 | 24,274 | | | | |
| TOTAL FOOTAGE | | 56,903,429 | 30,890,965 | 37,279,999 | 125,074,393 | 4,394 | 7,605 | 5,134 | 5,153 |
| TOTAL COSTS $ | | 3,918,697,775 | 4,722,809,129 | 3,371,856,040 | 12,013,362,944 | 302,579 | 1,162,681 | 464,379 | 494,907 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

TEXAS RRC DIST. 1

Table 36

| DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|
| | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | 585 | 3 | 41 | 629 | | | | |
| FOOTAGE 0 - 1,249 | 362,971 | 3,124 | 35,151 | 401,246 | 620 | 1,041 | 857 | 638 |
| COSTS $ | 13,003,248 | 249,549 | 3,020,973 | 16,273,770 | 22,228 | 83,183 | 73,682 | 25,872 |
| WELLS | 500 | 10 | 100 | 610 | | | | |
| FOOTAGE 1,250 - 2,499 | 841,148 | 17,738 | 179,303 | 1,038,189 | 1,682 | 1,774 | 1,793 | 1,702 |
| COSTS $ | 28,049,654 | 1,255,741 | 6,177,247 | 35,482,642 | 56,099 | 125,574 | 61,772 | 58,168 |
| WELLS | 264 | 35 | 85 | 384 | | | | |
| FOOTAGE 2,500 - 3,749 | 758,493 | 109,894 | 260,286 | 1,128,673 | 2,873 | 3,140 | 3,062 | 2,939 |
| COSTS $ | 31,067,162 | 7,660,181 | 8,634,383 | 47,361,706 | 117,679 | 218,862 | 101,581 | 123,338 |
| WELLS | 29 | 10 | 60 | 99 | | | | |
| FOOTAGE 3,750 - 4,999 | 129,412 | 45,923 | 261,465 | 436,800 | 4,462 | 4,592 | 4,358 | 4,412 |
| COSTS $ | 6,210,966 | 2,799,809 | 12,195,238 | 21,206,013 | 214,171 | 279,981 | 203,254 | 214,202 |
| WELLS | 212 | 42 | 91 | 345 | | | | |
| FOOTAGE 5,000 - 7,499 | 1,379,884 | 236,106 | 562,540 | 2,178,530 | 6,509 | 5,622 | 6,182 | 6,315 |
| COSTS $ | 93,182,891 | 15,805,370 | 30,725,033 | 139,713,294 | 439,542 | 376,318 | 337,638 | 404,966 |
| WELLS | 120 | 7 | 37 | 164 | | | | |
| FOOTAGE 7,500 - 9,999 | 1,003,073 | 60,587 | 311,644 | 1,375,304 | 8,359 | 8,655 | 8,423 | 8,386 |
| COSTS $ | 85,893,812 | 4,552,862 | 28,663,745 | 119,110,419 | 715,782 | 650,409 | 774,696 | 726,283 |
| WELLS | 7 | 9 | 6 | 22 | | | | |
| FOOTAGE 10,000 - 12,499 | 76,584 | 98,674 | 65,360 | 240,618 | 10,941 | 10,964 | 10,893 | 10,937 |
| COSTS $ | 10,254,887 | 12,678,288 | 8,656,456 | 31,589,631 | 1,464,984 | 1,408,699 | 1,442,743 | 1,435,892 |
| WELLS | -- | 4 | 2 | 6 | | | | |
| FOOTAGE 12,500 - 14,999 | -- | 55,842 | 27,470 | 83,312 | -- | 13,961 | 13,735 | 13,885 |
| COSTS $ | -- | 14,423,802 | 5,304,183 | 19,727,985 | -- | 3,605,951 | 2,652,092 | 3,287,998 |
| WELLS | -- | -- | 2 | 2 | | | | |
| FOOTAGE 15,000 - 17,499 | -- | -- | 32,633 | 32,633 | -- | -- | 16,317 | 16,317 |
| COSTS $ | -- | -- | 9,808,405 | 9,808,405 | -- | -- | 4,904,203 | 4,904,203 |
| WELLS | -- | -- | -- | -- | | | | |
| FOOTAGE 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | -- | -- | 1 | 1 | | | | |
| FOOTAGE 20,000 & OVER | -- | -- | 20,893 | 20,893 | -- | -- | 20,893 | 20,893 |
| COSTS $ | -- | -- | 8,108,783 | 8,108,783 | -- | -- | 8,108,783 | 8,108,783 |
| TOTAL WELLS | 1,717 | 120 | 425 | 2,262 | | | | |
| TOTAL FOOTAGE | 4,551,565 | 627,888 | 1,756,745 | 6,936,198 | 2,651 | 5,232 | 4,134 | 3,066 |
| TOTAL COSTS $ | 267,662,620 | 59,425,582 | 121,294,446 | 448,382,643 | 155,890 | 495,213 | 285,399 | 198,224 |

# ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

## TEXAS RRC DIST. 2

Table 37

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| 0 - 1,249 | WELLS | 1 | 1 | 6 | 8 | | | | |
| | FOOTAGE | 983 | 912 | 6,082 | 7,977 | 983 | 912 | 1,014 | 997 |
| | COSTS $ | 67,047 | 93,990 | 305,944 | 466,981 | 67,047 | 93,990 | 50,991 | 58,373 |
| 1,250 - 2,499 | WELLS | 2 | 6 | 19 | 27 | | | | |
| | FOOTAGE | 4,305 | 10,343 | 35,187 | 49,835 | 2,153 | 1,724 | 1,852 | 1,846 |
| | COSTS $ | 233,138 | 457,158 | 931,751 | 1,622,047 | 116,569 | 76,193 | 49,040 | 60,076 |
| 2,500 - 3,749 | WELLS | 12 | 22 | 30 | 64 | | | | |
| | FOOTAGE | 40,268 | 71,341 | 96,451 | 208,060 | 3,356 | 3,243 | 3,215 | 3,251 |
| | COSTS $ | 1,608,560 | 2,810,010 | 2,296,562 | 6,715,132 | 134,047 | 127,728 | 76,552 | 104,924 |
| 3,750 - 4,999 | WELLS | 33 | 50 | 50 | 133 | | | | |
| | FOOTAGE | 151,263 | 219,578 | 219,195 | 590,036 | 4,584 | 4,392 | 4,384 | 4,436 |
| | COSTS $ | 7,417,382 | 9,437,110 | 6,744,025 | 23,598,517 | 224,769 | 188,742 | 134,881 | 177,432 |
| 5,000 - 7,499 | WELLS | 51 | 66 | 109 | 226 | | | | |
| | FOOTAGE | 321,525 | 401,620 | 659,661 | 1,382,306 | 6,304 | 6,085 | 6,052 | 6,119 |
| | COSTS $ | 24,220,209 | 19,127,583 | 27,444,908 | 70,792,700 | 474,906 | 289,812 | 251,788 | 313,242 |
| 7,500 - 9,999 | WELLS | 23 | 54 | 110 | 187 | | | | |
| | FOOTAGE | 198,171 | 481,903 | 963,918 | 1,643,992 | 8,616 | 8,924 | 8,763 | 8,791 |
| | COSTS $ | 14,636,396 | 47,834,749 | 70,215,850 | 132,736,995 | 636,365 | 886,755 | 638,326 | 709,824 |
| 10,000 - 12,499 | WELLS | 4 | 45 | 31 | 80 | | | | |
| | FOOTAGE | 44,750 | 423,651 | 329,300 | 862,701 | 11,188 | 10,859 | 10,623 | 10,784 |
| | COSTS $ | 6,020,870 | 89,362,057 | 41,964,190 | 137,347,117 | 1,505,218 | 1,985,824 | 1,353,634 | 1,716,839 |
| 12,500 - 14,999 | WELLS | 1 | 33 | 19 | 53 | | | | |
| | FOOTAGE | 13,237 | 447,900 | 260,629 | 721,766 | 13,237 | 13,573 | 13,717 | 13,618 |
| | COSTS $ | 4,274,743 | 133,632,109 | 57,492,342 | 195,399,194 | 4,274,743 | 4,049,458 | 3,025,913 | 3,686,777 |
| 15,000 - 17,499 | WELLS | -- | 8 | 7 | 15 | | | | |
| | FOOTAGE | -- | 127,165 | 110,412 | 237,577 | -- | 15,896 | 15,773 | 15,838 |
| | COSTS $ | -- | 52,746,752 | 25,853,117 | 78,599,869 | -- | 6,593,344 | 3,693,303 | 5,239,992 |
| 17,500 - 19,999 | WELLS | -- | 1 | 3 | 4 | | | | |
| | FOOTAGE | -- | 17,660 | 53,592 | 71,252 | -- | 17,660 | 17,864 | 17,813 |
| | COSTS $ | -- | 8,936,136 | 14,355,887 | 23,292,023 | -- | 8,936,136 | 4,785,296 | 5,823,006 |
| 20,000 & OVER | WELLS | -- | -- | 1 | 1 | | | | |
| | FOOTAGE | -- | -- | 21,090 | 21,090 | -- | -- | 21,090 | 21,090 |
| | COSTS $ | -- | -- | 10,080,778 | 10,080,778 | -- | -- | 10,080,778 | 10,080,778 |
| TOTAL WELLS | | 127 | 286 | 385 | 798 | | | | |
| TOTAL FOOTAGE | | 774,502 | 2,267,073 | 2,755,517 | 5,797,092 | 6,098 | 7,927 | 7,157 | 7,265 |
| TOTAL COSTS $ | | 58,478,345 | 364,487,654 | 257,685,354 | 680,651,353 | 460,459 | 1,274,432 | 669,313 | 852,967 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

TEXAS RRC DIST. 3

Table 38

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 21 | -- | 25 | 46 | | | | |
| FOOTAGE | 0 - 1,249 | 22,546 | -- | 11,877 | 34,423 | 1,074 | -- | 475 | 748 |
| COSTS $ | | 1,770,487 | -- | 1,159,529 | 2,930,016 | 84,309 | -- | 46,381 | 63,696 |
| WELLS | | 43 | 5 | 11 | 59 | | | | |
| FOOTAGE | 1,250 - 2,499 | 80,374 | 10,259 | 21,731 | 112,364 | 1,869 | 2,052 | 1,976 | 1,904 |
| COSTS $ | | 6,071,269 | 732,125 | 992,369 | 7,795,763 | 141,192 | 146,425 | 90,215 | 132,132 |
| WELLS | | 48 | 10 | 38 | 96 | | | | |
| FOOTAGE | 2,500 - 3,749 | 162,915 | 31,233 | 120,875 | 315,023 | 3,394 | 3,123 | 3,181 | 3,281 |
| COSTS $ | | 13,052,102 | 2,207,078 | 5,015,541 | 20,274,721 | 271,919 | 220,708 | 131,988 | 211,195 |
| WELLS | | 65 | 15 | 43 | 123 | | | | |
| FOOTAGE | 3,750 - 4,999 | 268,433 | 62,884 | 182,426 | 513,743 | 4,130 | 4,192 | 4,242 | 4,177 |
| COSTS $ | | 21,603,259 | 4,364,950 | 8,962,721 | 34,930,930 | 332,358 | 290,997 | 209,435 | 283,991 |
| WELLS | | 100 | 73 | 122 | 295 | | | | |
| FOOTAGE | 5,000 - 7,499 | 625,623 | 472,534 | 778,337 | 1,876,494 | 6,256 | 6,473 | 6,380 | 6,361 |
| COSTS $ | | 48,372,972 | 36,313,707 | 44,087,789 | 123,774,468 | 483,730 | 497,448 | 361,375 | 436,524 |
| WELLS | | 563 | 97 | 208 | 868 | | | | |
| FOOTAGE | 7,500 - 9,999 | 4,947,619 | 860,382 | 1,804,407 | 7,612,408 | 8,788 | 8,870 | 8,675 | 8,770 |
| COSTS $ | | 452,195,288 | 81,196,836 | 127,037,981 | 660,430,105 | 803,189 | 837,081 | 610,760 | 760,864 |
| WELLS | | 128 | 127 | 124 | 379 | | | | |
| FOOTAGE | 10,000 - 12,499 | 1,379,340 | 1,429,495 | 1,362,528 | 4,171,363 | 10,776 | 11,256 | 10,988 | 11,006 |
| COSTS $ | | 153,522,188 | 223,154,592 | 144,857,412 | 521,534,192 | 1,199,392 | 1,757,123 | 1,168,205 | 1,376,080 |
| WELLS | | 5 | 40 | 32 | 77 | | | | |
| FOOTAGE | 12,500 - 14,999 | 63,569 | 526,655 | 426,554 | 1,016,778 | 12,714 | 13,166 | 13,330 | 13,205 |
| COSTS $ | | 13,074,385 | 120,930,950 | 77,455,384 | 211,460,719 | 2,614,877 | 3,023,274 | 2,420,481 | 2,746,243 |
| WELLS | | 1 | 8 | 11 | 20 | | | | |
| FOOTAGE | 15,000 - 17,499 | 16,000 | 130,744 | 179,499 | 326,243 | 16,000 | 16,343 | 16,318 | 16,312 |
| COSTS $ | | 7,527,497 | 37,380,465 | 60,007,304 | 104,915,266 | 7,527,497 | 4,672,558 | 5,455,210 | 5,245,764 |
| WELLS | | -- | 3 | 10 | 13 | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | 55,330 | 186,129 | 241,459 | -- | 18,443 | 18,613 | 18,574 |
| COSTS $ | | -- | 35,534,283 | 84,083,182 | 119,617,465 | -- | 11,844,761 | 8,408,318 | 9,201,343 |
| WELLS | | -- | -- | 2 | 2 | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | 44,848 | 44,848 | -- | -- | 22,424 | 22,424 |
| COSTS $ | | -- | -- | 33,177,797 | 33,177,797 | -- | -- | 16,588,899 | 16,588,899 |
| TOTAL WELLS | | 974 | 378 | 626 | 1,978 | | | | |
| TOTAL FOOTAGE | | 7,566,419 | 3,579,516 | 5,119,211 | 16,265,146 | 7,768 | 9,470 | 8,178 | 8,223 |
| TOTAL COSTS $ | | 717,189,447 | 541,814,986 | 586,837,009 | 1,845,841,442 | 736,334 | 1,433,373 | 937,439 | 933,186 |

# ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

## TEXAS RRC DIST. 4

Table 39

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| 0 - 1,249 | WELLS | 6 | 8 | 8 | 22 | | | | |
| | FOOTAGE | 4,151 | 8,332 | 6,509 | 18,992 | 692 | 1,042 | 814 | 863 |
| | COSTS $ | 228,305 | 517,853 | 253,346 | 999,504 | 38,051 | 64,732 | 31,668 | 45,432 |
| 1,250 - 2,499 | WELLS | 15 | 18 | 22 | 55 | | | | |
| | FOOTAGE | 30,205 | 34,546 | 42,941 | 107,692 | 2,014 | 1,919 | 1,952 | 1,958 |
| | COSTS $ | 1,054,545 | 1,508,302 | 2,022,065 | 4,584,912 | 70,303 | 83,795 | 91,912 | 83,362 |
| 2,500 - 3,749 | WELLS | 21 | 16 | 39 | 76 | | | | |
| | FOOTAGE | 63,184 | 48,672 | 122,791 | 234,647 | 3,009 | 3,042 | 3,148 | 3,087 |
| | COSTS $ | 3,978,106 | 2,161,251 | 6,189,503 | 12,328,860 | 189,434 | 135,078 | 158,705 | 162,222 |
| 3,750 - 4,999 | WELLS | 15 | 21 | 30 | 66 | | | | |
| | FOOTAGE | 66,798 | 93,535 | 131,840 | 292,173 | 4,453 | 4,454 | 4,395 | 4,427 |
| | COSTS $ | 4,907,043 | 5,497,680 | 5,470,930 | 15,875,653 | 327,136 | 261,794 | 182,364 | 240,540 |
| 5,000 - 7,499 | WELLS | 49 | 135 | 157 | 341 | | | | |
| | FOOTAGE | 296,897 | 845,324 | 963,328 | 2,105,549 | 6,059 | 6,262 | 6,136 | 6,175 |
| | COSTS $ | 21,473,814 | 60,730,647 | 47,654,415 | 129,858,876 | 438,241 | 449,857 | 303,531 | 380,818 |
| 7,500 - 9,999 | WELLS | 29 | 226 | 111 | 366 | | | | |
| | FOOTAGE | 245,046 | 1,997,311 | 973,488 | 3,215,845 | 8,450 | 8,838 | 8,770 | 8,786 |
| | COSTS $ | 21,578,790 | 234,520,120 | 77,686,957 | 333,785,867 | 744,096 | 1,037,700 | 699,883 | 911,983 |
| 10,000 - 12,499 | WELLS | 4 | 166 | 80 | 250 | | | | |
| | FOOTAGE | 47,255 | 1,809,104 | 873,897 | 2,730,256 | 11,814 | 10,898 | 10,924 | 10,921 |
| | COSTS $ | 4,374,941 | 347,258,811 | 113,898,452 | 465,532,204 | 1,093,735 | 2,091,921 | 1,423,731 | 1,862,129 |
| 12,500 - 14,999 | WELLS | -- | 44 | 24 | 68 | | | | |
| | FOOTAGE | -- | 579,533 | 318,804 | 898,337 | -- | 13,171 | 13,284 | 13,211 |
| | COSTS $ | -- | 153,866,151 | 64,114,412 | 217,980,563 | -- | 3,496,958 | 2,671,434 | 3,205,597 |
| 15,000 - 17,499 | WELLS | -- | 17 | 12 | 29 | | | | |
| | FOOTAGE | -- | 267,039 | 190,606 | 457,645 | -- | 15,708 | 15,884 | 15,781 |
| | COSTS $ | -- | 118,336,067 | 54,937,672 | 173,273,739 | -- | 6,960,945 | 4,578,140 | 5,974,957 |
| 17,500 - 19,999 | WELLS | -- | 1 | 2 | 3 | | | | |
| | FOOTAGE | -- | 18,520 | 37,108 | 55,628 | -- | 18,520 | 18,554 | 18,543 |
| | COSTS $ | -- | 11,760,200 | 13,732,413 | 25,492,613 | -- | 11,760,200 | 6,866,207 | 8,497,538 |
| 20,000 & OVER | WELLS | -- | -- | 2 | 2 | | | | |
| | FOOTAGE | -- | -- | 40,025 | 40,025 | -- | -- | 20,013 | 20,013 |
| | COSTS $ | -- | -- | 33,102,932 | 33,102,932 | -- | -- | 16,551,466 | 16,551,466 |
| TOTAL WELLS | | 139 | 652 | 487 | 1,278 | | | | |
| TOTAL FOOTAGE | | 753,536 | 5,701,916 | 3,701,337 | 10,156,789 | 5,421 | 8,745 | 7,600 | 7,947 |
| TOTAL COSTS $ | | 57,595,544 | 936,157,082 | 419,063,037 | 1,412,815,723 | 414,356 | 1,435,924 | 860,499 | 1,105,490 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

TEXAS RRC DIST. 5

Table 40

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| 0 - 1,249 | WELLS | 292 | 5 | 62 | 359 | 813 | 901 | 890 | 828 |
| | FOOTAGE | 237,541 | 4,503 | 55,201 | 297,245 | 21,388 | 30,574 | 11,873 | 19,873 |
| | COSTS $ | 6,245,336 | 152,368 | 736,106 | 7,134,310 | | | | |
| 1,250 - 2,499 | WELLS | 24 | 6 | 26 | 56 | 1,483 | 1,296 | 1,540 | 1,489 |
| | FOOTAGE | 35,583 | 7,775 | 40,040 | 83,399 | 34,668 | 31,983 | 39,179 | 36,475 |
| | COSTS $ | 832,037 | 191,896 | 1,018,651 | 2,042,584 | | | | |
| 2,500 - 3,749 | WELLS | 18 | 2 | 18 | 38 | 3,215 | 3,264 | 3,282 | 3,249 |
| | FOOTAGE | 57,866 | 6,528 | 59,077 | 123,471 | 123,133 | 90,187 | 142,701 | 130,668 |
| | COSTS $ | 2,216,399 | 180,374 | 2,568,612 | 4,965,385 | | | | |
| 3,750 - 4,999 | WELLS | 4 | -- | 18 | 22 | 4,664 | -- | 4,403 | 4,450 |
| | FOOTAGE | 18,656 | -- | 79,248 | 97,904 | 231,560 | -- | 195,621 | 202,155 |
| | COSTS $ | 926,238 | -- | 3,521,175 | 4,447,413 | | | | |
| 5,000 - 7,499 | WELLS | 10 | 5 | 28 | 43 | 6,506 | 5,914 | 6,610 | 6,505 |
| | FOOTAGE | 65,059 | 29,569 | 185,083 | 279,711 | 442,996 | 245,898 | 407,122 | 396,718 |
| | COSTS $ | 4,429,960 | 1,229,489 | 11,399,415 | 17,058,864 | | | | |
| 7,500 - 9,999 | WELLS | 24 | 12 | 32 | 68 | 8,378 | 8,929 | 8,881 | 8,712 |
| | FOOTAGE | 201,076 | 107,152 | 284,182 | 592,410 | 398,188 | 846,521 | 690,159 | 791,174 |
| | COSTS $ | 21,556,506 | 10,158,251 | 22,085,054 | 53,799,811 | | | | |
| 10,000 - 12,499 | WELLS | 4 | 49 | 30 | 83 | 10,686 | 11,362 | 10,956 | 11,183 |
| | FOOTAGE | 42,744 | 556,733 | 328,692 | 928,169 | 1,552,384 | 1,756,948 | 1,168,638 | 1,534,447 |
| | COSTS $ | 6,209,535 | 86,090,430 | 35,059,142 | 127,359,107 | | | | |
| 12,500 - 14,999 | WELLS | -- | 37 | 1 | 38 | -- | 13,324 | 13,280 | 13,323 |
| | FOOTAGE | -- | 492,989 | 13,280 | 506,269 | -- | 3,163,998 | 1,510,846 | 3,120,494 |
| | COSTS $ | -- | 117,067,921 | 1,510,846 | 118,578,767 | | | | |
| 15,000 - 17,499 | WELLS | -- | 3 | 1 | 4 | -- | 15,433 | 15,200 | 15,375 |
| | FOOTAGE | -- | 46,300 | 15,200 | 61,500 | -- | 4,614,410 | 2,499,045 | 4,085,569 |
| | COSTS $ | -- | 13,843,230 | 2,499,045 | 16,342,275 | | | | |
| 17,500 - 19,999 | WELLS | -- | -- | 1 | 1 | -- | -- | 17,520 | 17,520 |
| | FOOTAGE | -- | -- | 17,520 | 17,520 | -- | -- | 8,219,964 | 8,219,964 |
| | COSTS $ | -- | -- | 8,219,964 | 8,219,964 | | | | |
| 20,000 & OVER | WELLS | -- | -- | -- | -- | -- | -- | -- | -- |
| | FOOTAGE | -- | -- | -- | -- | -- | -- | -- | -- |
| | COSTS $ | -- | -- | -- | -- | | | | |
| TOTAL WELLS | | 376 | 119 | 217 | 712 | 1,751 | 10,517 | 4,966 | 4,196 |
| TOTAL FOOTAGE | | 658,525 | 1,251,550 | 1,077,523 | 2,987,598 | 112,809 | 1,923,651 | 408,378 | 505,546 |
| TOTAL COSTS $ | | 42,416,011 | 228,914,459 | 88,618,010 | 359,948,480 | | | | |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

TEXAS RRC DIST. 6

Table 41

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 60 | -- | 1 | 61 | | | | |
| FOOTAGE | 0 - 1,249 | 27,996 | -- | 539 | 28,535 | 467 | -- | 539 | 468 |
| COSTS $ | | 2,607,600 | -- | 9,716 | 2,617,316 | 43,460 | -- | 9,716 | 42,907 |
| WELLS | | 10 | -- | 21 | 31 | | | | |
| FOOTAGE | 1,250 - 2,499 | 20,810 | -- | 40,102 | 60,912 | 2,081 | -- | 1,910 | 1,965 |
| COSTS $ | | 1,316,323 | -- | 1,352,875 | 2,669,198 | 131,632 | -- | 64,423 | 86,103 |
| WELLS | | 7 | 5 | 20 | 32 | | | | |
| FOOTAGE | 2,500 - 3,749 | 25,296 | 15,624 | 64,818 | 105,738 | 3,614 | 3,125 | 3,241 | 3,304 |
| COSTS $ | | 1,280,284 | 821,195 | 2,615,274 | 4,716,753 | 182,898 | 164,239 | 130,764 | 147,399 |
| WELLS | | 90 | 2 | 30 | 122 | | | | |
| FOOTAGE | 3,750 - 4,999 | 393,875 | 3,113 | 129,893 | 531,881 | 4,376 | 4,057 | 4,330 | 4,360 |
| COSTS $ | | 20,708,921 | 449,784 | 5,281,776 | 26,440,481 | 230,099 | 224,892 | 176,059 | 216,725 |
| WELLS | | 46 | 32 | 85 | 163 | | | | |
| FOOTAGE | 5,000 - 7,499 | 290,925 | 216,326 | 540,010 | 1,047,261 | 6,324 | 6,760 | 6,353 | 6,425 |
| COSTS $ | | 18,794,133 | 18,078,637 | 30,061,331 | 66,934,101 | 408,568 | 564,957 | 353,663 | 410,639 |
| WELLS | | 118 | 232 | 80 | 430 | | | | |
| FOOTAGE | 7,500 - 9,999 | 973,189 | 2,127,739 | 681,009 | 3,781,937 | 8,247 | 9,171 | 8,513 | 8,795 |
| COSTS $ | | 80,715,476 | 285,274,169 | 48,996,036 | 414,985,681 | 684,029 | 1,229,630 | 612,450 | 965,083 |
| WELLS | | 40 | 255 | 45 | 340 | | | | |
| FOOTAGE | 10,000 - 12,499 | 430,152 | 2,777,411 | 492,979 | 3,700,542 | 10,754 | 10,892 | 10,955 | 10,884 |
| COSTS $ | | 49,496,560 | 405,808,789 | 55,882,177 | 511,187,526 | 1,237,414 | 1,591,407 | 1,241,826 | 1,503,493 |
| WELLS | | 1 | 3 | 5 | 14 | | | | |
| FOOTAGE | 12,500 - 14,999 | 12,726 | 108,162 | 68,380 | 189,268 | 12,726 | 13,520 | 13,676 | 13,519 |
| COSTS $ | | 897,397 | 24,128,719 | 13,275,567 | 38,301,683 | 897,397 | 3,016,090 | 2,655,114 | 2,735,835 |
| WELLS | | -- | -- | 2 | 2 | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | 31,033 | 31,033 | -- | -- | 15,517 | 15,517 |
| COSTS $ | | -- | -- | 13,675,429 | 13,675,429 | -- | -- | 6,837,715 | 6,837,715 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 372 | 534 | 289 | 1,195 | | | | |
| TOTAL FOOTAGE | | 2,174,969 | 5,253,375 | 2,048,763 | 9,477,107 | 5,847 | 9,838 | 7,089 | 7,931 |
| TOTAL COSTS $ | | 175,816,694 | 734,561,293 | 171,150,181 | 1,081,528,168 | 472,626 | 1,375,583 | 592,215 | 905,045 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

TEXAS RRC DIST. 7B

Table 42

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| | | | | | | | | | |
| WELLS | | 443 | 50 | 347 | 840 | | | | |
| FOOTAGE | 0 - 1,249 | 355,095 | 43,037 | 232,355 | 630,487 | 802 | 861 | 670 | 751 |
| COSTS $ | | 10,286,014 | 1,383,322 | 6,410,220 | 18,079,556 | 23,219 | 27,666 | 18,473 | 21,523 |
| WELLS | | 348 | 111 | 393 | 852 | | | | |
| FOOTAGE | 1,250 - 2,499 | 635,112 | 191,738 | 717,029 | 1,543,879 | 1,825 | 1,727 | 1,825 | 1,812 |
| COSTS $ | | 23,050,897 | 6,145,742 | 15,426,867 | 44,623,506 | 66,238 | 55,367 | 39,254 | 52,375 |
| WELLS | | 470 | 122 | 308 | 900 | | | | |
| FOOTAGE | 2,500 - 3,749 | 1,494,787 | 390,117 | 964,907 | 2,849,811 | 3,180 | 3,198 | 3,133 | 3,166 |
| COSTS $ | | 66,037,376 | 17,127,010 | 26,040,814 | 109,205,200 | 140,505 | 140,385 | 84,548 | 121,339 |
| WELLS | | 542 | 229 | 369 | 1,140 | | | | |
| FOOTAGE | 3,750 - 4,999 | 2,362,409 | 997,333 | 1,607,156 | 4,966,898 | 4,359 | 4,355 | 4,355 | 4,357 |
| COSTS $ | | 113,968,263 | 51,766,900 | 49,415,591 | 215,150,754 | 210,274 | 226,056 | 133,918 | 188,729 |
| WELLS | | 252 | 68 | 235 | 555 | | | | |
| FOOTAGE | 5,000 - 7,499 | 1,474,716 | 375,377 | 1,391,629 | 3,241,722 | 5,852 | 5,520 | 5,922 | 5,841 |
| COSTS $ | | 81,217,410 | 20,196,702 | 47,037,579 | 148,451,691 | 322,291 | 297,010 | 200,160 | 267,481 |
| WELLS | | 1 | -- | 4 | 5 | | | | |
| FOOTAGE | 7,500 - 9,999 | 9,268 | -- | 30,204 | 39,472 | 9,268 | -- | 7,551 | 7,894 |
| COSTS $ | | 912,212 | -- | 838,841 | 1,751,053 | 912,212 | -- | 209,710 | 350,211 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 10,000 - 12,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 2,056 | 580 | 1,656 | 4,292 | | | | |
| TOTAL FOOTAGE | | 6,331,387 | 1,997,602 | 4,943,280 | 13,272,269 | 3,079 | 3,444 | 2,985 | 3,092 |
| TOTAL COSTS $ | | 295,472,172 | 96,619,676 | 145,169,912 | 537,261,760 | 143,712 | 166,586 | 87,663 | 125,177 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

TEXAS RRC DIST. 7C

Table 43

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 28 | 20 | 46 | 94 | | | | |
| FOOTAGE | 0 - 1,249 | 29,345 | 18,662 | 35,572 | 83,579 | 1,048 | 933 | 773 | 889 |
| COSTS $ | | 1,576,912 | 1,207,044 | 1,983,583 | 4,767,539 | 56,318 | 60,352 | 43,121 | 50,719 |
| WELLS | | 108 | 37 | 73 | 218 | | | | |
| FOOTAGE | 1,250 - 2,499 | 239,786 | 58,677 | 126,943 | 425,406 | 2,220 | 1,586 | 1,739 | 1,951 |
| COSTS $ | | 14,222,875 | 3,618,784 | 6,831,765 | 24,673,424 | 131,693 | 97,805 | 93,586 | 113,181 |
| WELLS | | 193 | 7 | 50 | 250 | | | | |
| FOOTAGE | 2,500 - 3,749 | 540,757 | 24,817 | 153,752 | 719,326 | 2,802 | 3,545 | 3,075 | 2,877 |
| COSTS $ | | 30,540,176 | 1,677,365 | 7,006,095 | 39,223,636 | 158,239 | 239,624 | 140,122 | 156,895 |
| WELLS | | 149 | 55 | 175 | 379 | | | | |
| FOOTAGE | 3,750 - 4,999 | 652,691 | 240,077 | 770,521 | 1,663,289 | 4,380 | 4,365 | 4,403 | 4,389 |
| COSTS $ | | 35,400,651 | 14,930,474 | 29,946,993 | 80,278,118 | 237,588 | 271,463 | 171,126 | 211,816 |
| WELLS | | 315 | 258 | 134 | 707 | | | | |
| FOOTAGE | 5,000 - 7,499 | 2,064,765 | 1,682,232 | 818,510 | 4,565,507 | 6,555 | 6,520 | 6,108 | 6,458 |
| COSTS $ | | 124,466,834 | 101,267,217 | 34,146,304 | 259,880,355 | 395,133 | 392,509 | 254,823 | 367,582 |
| WELLS | | 182 | 158 | 55 | 395 | | | | |
| FOOTAGE | 7,500 - 9,999 | 1,551,809 | 1,367,822 | 475,761 | 3,395,392 | 8,526 | 8,657 | 8,650 | 8,596 |
| COSTS $ | | 113,136,670 | 76,594,990 | 26,077,157 | 215,808,817 | 621,630 | 484,778 | 474,130 | 546,351 |
| WELLS | | 20 | 26 | 14 | 60 | | | | |
| FOOTAGE | 10,000 - 12,499 | 221,732 | 285,825 | 152,143 | 659,700 | 11,087 | 10,993 | 10,867 | 10,995 |
| COSTS $ | | 25,233,595 | 26,448,939 | 15,208,266 | 66,890,800 | 1,261,680 | 1,017,267 | 1,086,305 | 1,114,847 |
| WELLS | | -- | 3 | 2 | 5 | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | 40,838 | 26,170 | 67,008 | -- | 13,613 | 13,085 | 13,402 |
| COSTS $ | | -- | 6,102,645 | 3,338,216 | 9,440,861 | -- | 2,034,215 | 1,669,108 | 1,888,172 |
| WELLS | | -- | 2 | 1 | 3 | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | 30,691 | 15,712 | 46,403 | -- | 15,346 | 15,712 | 15,468 |
| COSTS $ | | -- | 7,344,066 | 3,959,801 | 11,303,867 | -- | 3,672,033 | 3,959,801 | 3,767,956 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 995 | 566 | 550 | 2,111 | | | | |
| TOTAL FOOTAGE | | 5,300,885 | 3,749,641 | 2,575,084 | 11,625,610 | 5,329 | 6,625 | 4,682 | 5,507 |
| TOTAL COSTS $ | | 344,577,713 | 239,191,524 | 128,498,180 | 712,267,417 | 346,309 | 422,600 | 233,633 | 337,408 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

TEXAS RRC DIST. 8

Table 44

| DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|
| | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | 11 | 2 | 13 | 26 | | | | |
| FOOTAGE 0 - 1,249 | 12,589 | 1,674 | 9,503 | 23,766 | 1,144 | 837 | 731 | 914 |
| COSTS $ | 2,523,081 | 193,792 | 1,440,748 | 4,157,621 | 229,371 | 96,896 | 110,827 | 159,909 |
| WELLS | 194 | 7 | 22 | 223 | | | | |
| FOOTAGE 1,250 - 2,499 | 339,050 | 11,790 | 40,869 | 391,709 | 1,748 | 1,684 | 1,858 | 1,757 |
| COSTS $ | 38,984,022 | 1,063,525 | 2,880,615 | 42,928,162 | 200,949 | 151,932 | 130,937 | 192,503 |
| WELLS | 626 | 17 | 53 | 696 | | | | |
| FOOTAGE 2,500 - 3,749 | 1,964,793 | 53,002 | 171,791 | 2,189,586 | 3,139 | 3,118 | 3,241 | 3,146 |
| COSTS $ | 125,541,794 | 3,693,236 | 11,456,467 | 140,691,497 | 200,546 | 217,249 | 216,160 | 202,143 |
| WELLS | 453 | 19 | 31 | 503 | | | | |
| FOOTAGE 3,750 - 4,999 | 2,038,642 | 81,697 | 134,107 | 2,254,446 | 4,500 | 4,300 | 4,326 | 4,482 |
| COSTS $ | 124,092,895 | 4,755,840 | 8,844,563 | 137,693,298 | 273,936 | 250,307 | 285,308 | 273,744 |
| WELLS | 228 | 18 | 51 | 297 | | | | |
| FOOTAGE 5,000 - 7,499 | 1,427,405 | 114,424 | 322,341 | 1,864,170 | 6,261 | 6,357 | 6,320 | 6,277 |
| COSTS $ | 93,569,609 | 6,626,514 | 22,355,733 | 122,551,856 | 410,393 | 368,140 | 438,348 | 412,633 |
| WELLS | 465 | 13 | 95 | 573 | | | | |
| FOOTAGE 7,500 - 9,999 | 4,138,562 | 111,555 | 814,514 | 5,064,631 | 8,900 | 8,581 | 8,574 | 8,839 |
| COSTS $ | 310,217,968 | 9,916,259 | 66,985,928 | 387,120,155 | 667,135 | 762,789 | 705,115 | 675,602 |
| WELLS | 101 | 9 | 43 | 153 | | | | |
| FOOTAGE 10,000 - 12,499 | 1,105,895 | 102,426 | 476,369 | 1,684,690 | 10,949 | 11,381 | 11,078 | 11,011 |
| COSTS $ | 114,142,856 | 17,833,473 | 55,329,960 | 187,306,289 | 1,130,127 | 1,981,497 | 1,286,743 | 1,224,224 |
| WELLS | 13 | 6 | 15 | 34 | | | | |
| FOOTAGE 12,500 - 14,999 | 169,476 | 83,040 | 209,291 | 461,807 | 13,037 | 13,840 | 13,953 | 13,583 |
| COSTS $ | 23,915,120 | 19,705,214 | 32,118,028 | 75,738,362 | 1,839,625 | 3,284,202 | 2,141,202 | 2,227,599 |
| WELLS | -- | 10 | 13 | 23 | | | | |
| FOOTAGE 15,000 - 17,499 | -- | 164,323 | 219,158 | 383,481 | -- | 16,432 | 16,858 | 16,673 |
| COSTS $ | -- | 69,737,620 | 63,693,371 | 133,430,991 | -- | 6,973,762 | 4,899,490 | 5,801,348 |
| WELLS | 1 | 11 | 4 | 16 | | | | |
| FOOTAGE 17,500 - 19,999 | 18,871 | 207,466 | 73,711 | 300,048 | 18,871 | 18,861 | 18,428 | 18,753 |
| COSTS $ | 5,505,877 | 74,671,082 | 18,508,856 | 98,685,815 | 5,505,877 | 6,788,280 | 4,627,214 | 6,167,864 |
| WELLS | 2 | 13 | 8 | 23 | | | | |
| FOOTAGE 20,000 & OVER | 41,922 | 285,180 | 177,087 | 504,189 | 20,961 | 21,937 | 22,136 | 21,921 |
| COSTS $ | 18,488,544 | 104,237,118 | 95,503,391 | 218,229,053 | 9,244,272 | 8,018,240 | 11,937,924 | 9,488,220 |
| TOTAL WELLS | 2,094 | 125 | 348 | 2,567 | | | | |
| TOTAL FOOTAGE | 11,257,205 | 1,216,577 | 2,648,741 | 15,122,523 | 5,376 | 9,733 | 7,611 | 5,891 |
| TOTAL COSTS $ | 856,981,766 | 312,433,673 | 379,117,660 | 1,548,533,099 | 409,256 | 2,499,470 | 1,089,419 | 603,246 |

# ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

## TEXAS RRC DIST. 8A

Table 45

| DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|
| | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | -- | -- | 4 | 4 | | | | |
| FOOTAGE 0 - 1,249 | -- | -- | 2,361 | 2,361 | -- | -- | 590 | 590 |
| COSTS $ | -- | -- | 295,911 | 295,911 | -- | -- | 73,978 | 73,978 |
| WELLS | 70 | -- | 14 | 84 | | | | |
| FOOTAGE 1,250 - 2,499 | 126,609 | -- | 24,415 | 151,024 | 1,809 | -- | 1,744 | 1,798 |
| COSTS $ | 5,073,434 | -- | 1,183,266 | 6,256,700 | 72,478 | -- | 84,519 | 74,485 |
| WELLS | 194 | 1 | 32 | 227 | | | | |
| FOOTAGE 2,500 - 3,749 | 601,281 | 3,380 | 103,089 | 707,750 | 3,099 | 3,380 | 3,222 | 3,118 |
| COSTS $ | 31,051,178 | 215,298 | 4,014,554 | 35,281,030 | 160,058 | 215,298 | 125,455 | 155,423 |
| WELLS | 381 | 2 | 65 | 448 | | | | |
| FOOTAGE 3,750 - 4,999 | 1,782,988 | 9,719 | 288,603 | 2,081,310 | 4,680 | 4,860 | 4,440 | 4,646 |
| COSTS $ | 89,083,548 | 323,823 | 11,469,856 | 100,877,227 | 233,815 | 161,912 | 176,459 | 225,172 |
| WELLS | 621 | 15 | 114 | 750 | | | | |
| FOOTAGE 5,000 - 7,499 | 3,727,675 | 87,709 | 710,645 | 4,526,029 | 6,003 | 5,847 | 6,234 | 6,035 |
| COSTS $ | 236,029,994 | 3,618,636 | 32,216,858 | 271,865,488 | 380,081 | 241,242 | 282,604 | 362,487 |
| WELLS | 164 | -- | 106 | 270 | | | | |
| FOOTAGE 7,500 - 9,999 | 1,388,869 | -- | 891,216 | 2,280,085 | 8,469 | -- | 8,408 | 8,445 |
| COSTS $ | 109,842,485 | -- | 51,055,492 | 160,897,977 | 669,771 | -- | 481,656 | 595,918 |
| WELLS | 36 | -- | 58 | 94 | | | | |
| FOOTAGE 10,000 - 12,499 | 412,698 | -- | 657,259 | 1,069,957 | 11,464 | -- | 11,332 | 11,383 |
| COSTS $ | 40,374,222 | -- | 48,233,470 | 88,607,692 | 1,121,506 | -- | 831,612 | 942,635 |
| WELLS | 7 | 1 | 22 | 30 | | | | |
| FOOTAGE 12,500 - 14,999 | 90,781 | 13,346 | 285,354 | 389,481 | 12,968 | 13,346 | 12,971 | 12,983 |
| COSTS $ | 8,785,436 | 837,328 | 29,726,873 | 39,349,637 | 1,255,062 | 837,328 | 1,351,222 | 1,311,655 |
| WELLS | -- | -- | -- | -- | | | | |
| FOOTAGE 15,000 - 17,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | -- | -- | -- | -- | | | | |
| FOOTAGE 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | -- | -- | -- | -- | | | | |
| FOOTAGE 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | 1,473 | 19 | 415 | 1,907 | | | | |
| TOTAL FOOTAGE | 8,130,901 | 114,154 | 2,962,942 | 11,207,997 | 5,520 | 6,008 | 7,140 | 5,877 |
| TOTAL COSTS $ | 520,240,297 | 4,995,085 | 178,196,280 | 703,431,662 | 353,184 | 262,899 | 429,389 | 368,868 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

TEXAS RRC DIST. 9

Table 46

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 452 | 6 | 358 | 816 | | | | |
| FOOTAGE | 0 - 1,249 | 362,413 | 3,663 | 282,647 | 648,723 | 802 | 611 | 790 | 795 |
| COSTS $ | | 9,660,408 | 69,303 | 2,627,534 | 12,357,245 | 21,373 | 11,551 | 7,339 | 15,144 |
| WELLS | | 552 | 7 | 467 | 1,026 | | | | |
| FOOTAGE | 1,250 - 2,499 | 928,556 | 12,778 | 799,189 | 1,740,523 | 1,682 | 1,825 | 1,711 | 1,696 |
| COSTS $ | | 23,639,468 | 265,524 | 8,869,231 | 32,774,223 | 42,825 | 37,932 | 18,992 | 31,944 |
| WELLS | | 117 | 4 | 116 | 237 | | | | |
| FOOTAGE | 2,500 - 3,749 | 359,548 | 13,102 | 350,340 | 722,990 | 3,073 | 3,276 | 3,020 | 3,051 |
| COSTS $ | | 11,763,414 | 342,840 | 5,456,734 | 17,562,988 | 100,542 | 85,710 | 47,041 | 74,105 |
| WELLS | | 326 | 36 | 194 | 556 | | | | |
| FOOTAGE | 3,750 - 4,999 | 1,468,399 | 164,228 | 869,401 | 2,502,028 | 4,504 | 4,562 | 4,481 | 4,500 |
| COSTS $ | | 60,050,529 | 6,546,949 | 18,228,479 | 84,825,957 | 184,204 | 181,860 | 93,961 | 152,565 |
| WELLS | | 424 | 167 | 354 | 945 | | | | |
| FOOTAGE | 5,000 - 7,499 | 2,511,527 | 1,002,733 | 2,090,457 | 5,604,717 | 5,923 | 6,004 | 5,905 | 5,931 |
| COSTS $ | | 134,716,072 | 62,342,194 | 61,381,507 | 258,439,773 | 317,727 | 373,307 | 173,394 | 273,481 |
| WELLS | | 47 | 6 | 80 | 133 | | | | |
| FOOTAGE | 7,500 - 9,999 | 401,931 | 52,232 | 683,340 | 1,137,503 | 8,552 | 8,705 | 8,542 | 8,553 |
| COSTS $ | | 34,316,998 | 4,719,367 | 34,487,256 | 73,523,621 | 730,149 | 786,561 | 431,091 | 552,809 |
| WELLS | | 10 | 1 | 2 | 13 | | | | |
| FOOTAGE | 10,000 - 12,499 | 109,507 | 11,052 | 21,740 | 142,299 | 10,951 | 11,052 | 10,870 | 10,946 |
| COSTS $ | | 16,505,187 | 1,794,688 | 3,235,606 | 21,535,481 | 1,650,519 | 1,794,688 | 1,617,803 | 1,656,576 |
| WELLS | | 2 | 3 | 1 | 6 | | | | |
| FOOTAGE | 12,500 - 14,999 | 26,353 | 39,630 | 13,800 | 79,783 | 13,177 | 13,210 | 13,800 | 13,297 |
| COSTS $ | | 6,860,105 | 11,457,163 | 2,270,615 | 20,587,883 | 3,430,053 | 3,819,054 | 2,270,615 | 3,431,314 |
| WELLS | | 1 | 2 | -- | 3 | | | | |
| FOOTAGE | 15,000 - 17,499 | 16,300 | 31,600 | -- | 47,900 | 16,300 | 15,800 | -- | 15,967 |
| COSTS $ | | 6,890,913 | 16,419,911 | -- | 23,310,824 | 6,890,913 | 8,209,956 | -- | 7,770,275 |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | 17,903 | 17,903 | -- | -- | 17,903 | 17,903 |
| COSTS $ | | -- | -- | 3,750,188 | 3,750,188 | -- | -- | 3,750,188 | 3,750,188 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 1,931 | 232 | 1,573 | 3,736 | | | | |
| TOTAL FOOTAGE | | 6,184,534 | 1,331,018 | 5,128,817 | 12,644,369 | 3,203 | 5,737 | 3,261 | 3,384 |
| TOTAL COSTS $ | | 304,403,094 | 103,957,939 | 140,307,150 | 548,668,183 | 157,640 | 448,095 | 89,197 | 146,860 |

# ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

## TEXAS RRC DIST. 10

Table 47

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| 0 - 1,249 | WELLS | -- | -- | 1 | 1 | -- | -- | 1,120 | 1,120 |
| | FOOTAGE | -- | -- | 1,120 | 1,120 | -- | -- | 40,084 | 40,084 |
| | COSTS $ | -- | -- | 40,084 | 40,084 | | | | |
| 1,250 - 2,499 | WELLS | 43 | 69 | 7 | 119 | 2,262 | 2,106 | 1,956 | 2,153 |
| | FOOTAGE | 97,266 | 145,306 | 13,693 | 256,265 | 95,879 | 115,611 | 81,003 | 106,445 |
| | COSTS $ | 4,122,795 | 7,977,149 | 567,024 | 12,666,968 | | | | |
| 2,500 - 3,749 | WELLS | 454 | 33 | 25 | 512 | 3,329 | 3,123 | 3,079 | 3,303 |
| | FOOTAGE | 1,511,292 | 103,060 | 76,970 | 1,691,322 | 194,250 | 175,832 | 155,364 | 191,164 |
| | COSTS $ | 88,189,293 | 5,802,462 | 3,884,090 | 97,875,845 | | | | |
| 3,750 - 4,999 | WELLS | 9 | 2 | 4 | 15 | 3,775 | 4,375 | 4,332 | 4,004 |
| | FOOTAGE | 33,977 | 8,750 | 17,328 | 60,055 | 237,191 | 222,543 | 212,446 | 228,639 |
| | COSTS $ | 2,134,718 | 445,086 | 849,783 | 3,429,587 | | | | |
| 5,000 - 7,499 | WELLS | 53 | 26 | 22 | 101 | 6,891 | 6,865 | 6,613 | 6,823 |
| | FOOTAGE | 365,201 | 178,477 | 145,488 | 689,166 | 551,528 | 521,628 | 427,336 | 516,779 |
| | COSTS $ | 29,230,996 | 13,562,329 | 9,401,381 | 52,194,706 | | | | |
| 7,500 - 9,999 | WELLS | 103 | 77 | 59 | 239 | 8,341 | 8,282 | 8,651 | 8,398 |
| | FOOTAGE | 859,081 | 637,745 | 510,388 | 2,007,214 | 673,362 | 674,168 | 569,451 | 647,970 |
| | COSTS $ | 69,356,317 | 51,910,931 | 33,597,634 | 154,864,882 | | | | |
| 10,000 - 12,499 | WELLS | 15 | 51 | 15 | 81 | 10,783 | 11,074 | 11,194 | 11,042 |
| | FOOTAGE | 161,747 | 564,766 | 167,907 | 894,420 | 1,082,377 | 1,158,706 | 1,049,132 | 1,124,280 |
| | COSTS $ | 16,235,656 | 59,094,020 | 15,736,977 | 91,066,653 | | | | |
| 12,500 - 14,999 | WELLS | 3 | 24 | 8 | 35 | 13,462 | 13,466 | 13,602 | 13,497 |
| | FOOTAGE | 40,385 | 323,183 | 108,819 | 472,392 | 1,794,627 | 2,181,239 | 2,145,244 | 2,139,874 |
| | COSTS $ | 5,383,881 | 52,349,741 | 17,161,952 | 74,895,574 | | | | |
| 15,000 - 17,499 | WELLS | -- | 20 | 3 | 23 | -- | 16,501 | 15,954 | 16,430 |
| | FOOTAGE | -- | 330,022 | 47,861 | 377,883 | -- | 4,221,169 | 4,192,091 | 4,217,377 |
| | COSTS $ | -- | 84,423,381 | 12,576,273 | 96,999,654 | | | | |
| 17,500 - 19,999 | WELLS | -- | 10 | -- | 10 | -- | 18,656 | -- | 18,656 |
| | FOOTAGE | -- | 186,555 | -- | 186,555 | -- | 7,495,146 | -- | 7,495,146 |
| | COSTS $ | -- | 74,951,462 | -- | 74,951,462 | | | | |
| 20,000 & OVER | WELLS | -- | 2 | -- | 2 | -- | 20,900 | -- | 20,900 |
| | FOOTAGE | -- | 41,800 | -- | 41,800 | -- | 9,923,243 | -- | 9,923,243 |
| | COSTS $ | -- | 19,846,486 | -- | 19,846,486 | | | | |
| TOTAL WELLS | | 680 | 314 | 144 | 1,138 | 4,513 | 8,024 | 7,566 | 5,868 |
| TOTAL FOOTAGE | | 3,068,949 | 2,519,669 | 1,089,574 | 6,678,192 | 315,667 | 1,179,500 | 651,494 | 596,513 |
| TOTAL COSTS $ | | 214,653,656 | 370,363,047 | 93,815,198 | 678,831,901 | | | | |

# ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

## TEXAS - OFFSHORE

Table 48

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 0 - 1,249 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | - | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 1,250 - 2,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | 2 | 2 | 4 | | | | |
| FOOTAGE | 2,500 - 3,749 | -- | 6,366 | 6,905 | 13,271 | -- | 3,183 | 3,453 | 3,318 |
| COSTS $ | | -- | 6,134,000 | 3,578,002 | 9,712,002 | -- | 3,067,000 | 1,789,001 | 2,428,001 |
| WELLS | | 1 | 9 | 2 | 12 | | | | |
| FOOTAGE | 3,750 - 4,999 | 3,904 | 37,553 | 8,272 | 49,729 | 3,904 | 4,173 | 4,136 | 4,144 |
| COSTS $ | | 1,439,226 | 22,634,731 | 2,626,000 | 26,699,957 | 1,439,226 | 2,514,970 | 1,313,000 | 2,224,997 |
| WELLS | | 6 | 25 | 23 | 54 | | | | |
| FOOTAGE | 5,000 - 7,499 | 38,179 | 165,578 | 153,172 | 356,929 | 6,363 | 6,623 | 6,660 | 6,610 |
| COSTS $ | | 9,239,982 | 78,172,337 | 36,966,609 | 124,378,928 | 1,539,997 | 3,126,894 | 1,607,244 | 2,303,314 |
| WELLS | | 3 | 47 | 53 | 103 | | | | |
| FOOTAGE | 7,500 - 9,999 | 26,153 | 405,425 | 460,919 | 892,497 | 8,718 | 8,626 | 8,697 | 8,665 |
| COSTS $ | | 7,829,596 | 190,075,866 | 141,218,653 | 339,124,115 | 2,609,865 | 4,044,167 | 2,664,503 | 3,292,467 |
| WELLS | | 7 | 31 | 30 | 68 | | | | |
| FOOTAGE | 10,000 - 12,499 | 81,816 | 340,961 | 333,471 | 756,248 | 11,688 | 10,999 | 11,116 | 11,121 |
| COSTS $ | | 44,701,612 | 173,706,831 | 151,732,515 | 370,140,958 | 6,385,945 | 5,603,446 | 5,057,751 | 5,443,250 |
| WELLS | | -- | 21 | 27 | 48 | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | 288,888 | 367,062 | 655,950 | -- | 13,757 | 13,595 | 13,666 |
| COSTS $ | | -- | 197,776,364 | 206,732,250 | 404,508,614 | -- | 9,417,922 | 7,656,750 | 8,427,263 |
| WELLS | | -- | -- | 9 | 9 | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | 142,664 | 142,664 | -- | -- | 15,852 | 15,852 |
| COSTS $ | | -- | -- | 119,249,534 | 119,249,534 | -- | -- | 13,249,948 | 13,249,948 |
| WELLS | | -- | 2 | -- | 2 | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | 36,215 | -- | 36,215 | -- | 18,108 | -- | 18,108 |
| COSTS $ | | -- | 61,387,000 | -- | 61,387,000 | -- | 30,693,500 | -- | 30,693,500 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 17 | 137 | 146 | 300 | | | | |
| TOTAL FOOTAGE | | 150,052 | 1,280,986 | 1,472,465 | 2,903,503 | 8,827 | 9,350 | 10,085 | 9,678 |
| TOTAL COSTS $ | | 63,210,416 | 729,887,129 | 662,103,563 | 1,455,201,108 | 3,718,260 | 5,327,644 | 4,534,956 | 4,850,671 |

# ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

## UTAH

Table 49

| | DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 5 | 2 | 13 | 20 | | | | |
| FOOTAGE | 0 - 1,249 | 3,237 | 2,325 | 7,678 | 13,240 | 647 | 1,163 | 591 | 662 |
| COSTS $ | | 338,977 | 316,247 | 1,813,159 | 2,473,383 | 67,795 | 158,124 | 139,858 | 123,669 |
| WELLS | | 5 | 8 | 18 | 31 | | | | |
| FOOTAGE | 1,250 - 2,499 | 9,500 | 13,626 | 37,530 | 60,656 | 1,900 | 1,703 | 2,085 | 1,957 |
| COSTS $ | | 825,088 | 1,751,682 | 4,563,235 | 7,140,005 | 165,018 | 218,960 | 253,513 | 230,323 |
| WELLS | | 7 | 10 | 16 | 33 | | | | |
| FOOTAGE | 2,500 - 3,749 | 21,635 | 31,378 | 48,871 | 102,384 | 3,091 | 3,188 | 3,054 | 3,103 |
| COSTS $ | | 2,730,861 | 3,854,543 | 4,118,408 | 10,703,812 | 390,123 | 385,454 | 257,401 | 324,358 |
| WELLS | | 7 | 3 | 6 | 16 | | | | |
| FOOTAGE | 3,750 - 4,999 | 29,166 | 12,634 | 27,600 | 69,400 | 4,167 | 4,211 | 4,600 | 4,338 |
| COSTS $ | | 3,100,158 | 1,347,127 | 2,180,879 | 6,628,164 | 442,880 | 449,042 | 363,480 | 414,260 |
| WELLS | | 108 | 76 | 50 | 234 | | | | |
| FOOTAGE | 5,000 - 7,499 | 636,586 | 499,647 | 311,590 | 1,447,823 | 5,894 | 6,574 | 6,232 | 6,187 |
| COSTS $ | | 73,587,272 | 42,348,769 | 32,433,332 | 148,369,373 | 681,364 | 557,221 | 648,667 | 634,057 |
| WELLS | | 6 | 18 | 14 | 38 | | | | |
| FOOTAGE | 7,500 - 9,999 | 49,914 | 147,826 | 122,154 | 319,894 | 8,319 | 8,213 | 8,725 | 8,418 |
| COSTS $ | | 8,554,571 | 17,282,086 | 21,382,407 | 47,219,064 | 1,425,762 | 960,116 | 1,527,315 | 1,242,607 |
| WELLS | | 10 | 1 | 4 | 15 | | | | |
| FOOTAGE | 10,000 - 12,499 | 109,195 | 10,121 | 45,994 | 165,310 | 10,920 | 10,121 | 11,499 | 11,021 |
| COSTS $ | | 20,794,154 | 2,093,628 | 19,513,625 | 42,401,407 | 2,079,415 | 2,093,628 | 4,878,407 | 2,826,761 |
| WELLS | | 17 | 6 | 8 | 31 | | | | |
| FOOTAGE | 12,500 - 14,999 | 225,489 | 85,336 | 111,954 | 422,779 | 13,264 | 14,223 | 13,994 | 13,638 |
| COSTS $ | | 68,569,366 | 58,370,093 | 59,429,987 | 186,369,446 | 4,033,492 | 9,728,349 | 7,428,749 | 6,011,918 |
| WELLS | | 5 | 1 | 6 | 12 | | | | |
| FOOTAGE | 15,000 - 17,499 | 80,958 | 15,940 | 96,351 | 193,249 | 16,192 | 15,940 | 16,059 | 16,104 |
| COSTS $ | | 19,204,144 | 13,054,360 | 47,563,668 | 79,822,672 | 3,840,829 | 13,054,860 | 7,927,278 | 6,651,890 |
| WELLS | | -- | -- | 3 | 3 | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | 54,036 | 54,036 | -- | -- | 18,012 | 18,012 |
| COSTS $ | | -- | -- | 33,297,332 | 33,297,332 | -- | -- | 11,099,111 | 11,099,111 |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | 21,874 | 21,874 | -- | -- | 21,874 | 21,874 |
| COSTS $ | | -- | -- | 14,015,711 | 14,015,711 | -- | -- | 14,015,711 | 14,015,711 |
| TOTAL WELLS | | 170 | 125 | 139 | 434 | | | | |
| TOTAL FOOTAGE | | 1,165,680 | 819,333 | 885,632 | 2,870,645 | 6,857 | 6,555 | 6,371 | 6,614 |
| TOTAL COSTS $ | | 197,704,591 | 140,419,035 | 240,316,743 | 578,440,369 | 1,162,968 | 1,123,352 | 1,728,897 | 1,332,812 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

WYOMING

Table 50

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| | 0 - 1,249 | | | | | | | | |
| WELLS | | 83 | -- | 21 | 104 | | | | |
| FOOTAGE | | 61,873 | -- | 10,985 | 72,858 | 745 | -- | 523 | 701 |
| COSTS $ | | 3,858,578 | -- | 1,169,888 | 5,028,466 | 46,489 | -- | 55,709 | 48,351 |
| | 1,250 - 2,499 | | | | | | | | |
| WELLS | | 108 | 5 | 34 | 147 | | | | |
| FOOTAGE | | 197,702 | 10,432 | 60,761 | 268,895 | 1,831 | 2,086 | 1,787 | 1,829 |
| COSTS $ | | 15,580,577 | 1,600,105 | 7,277,488 | 24,458,170 | 144,265 | 320,021 | 214,044 | 166,382 |
| | 2,500 - 3,749 | | | | | | | | |
| WELLS | | 29 | 8 | 49 | 86 | | | | |
| FOOTAGE | | 97,499 | 24,812 | 154,683 | 276,994 | 3,362 | 3,102 | 3,157 | 3,221 |
| COSTS $ | | 10,952,742 | 3,042,881 | 11,661,029 | 25,656,652 | 377,681 | 380,360 | 237,980 | 298,333 |
| | 3,750 - 4,999 | | | | | | | | |
| WELLS | | 71 | 6 | 44 | 121 | | | | |
| FOOTAGE | | 317,494 | 25,464 | 189,677 | 532,635 | 4,472 | 4,244 | 4,311 | 4,402 |
| COSTS $ | | 28,689,670 | 2,831,770 | 14,283,019 | 45,804,459 | 404,080 | 471,962 | 324,614 | 378,549 |
| | 5,000 - 7,499 | | | | | | | | |
| WELLS | | 202 | 19 | 138 | 359 | | | | |
| FOOTAGE | | 1,245,535 | 124,988 | 883,083 | 2,253,606 | 6,166 | 6,578 | 6,399 | 6,277 |
| COSTS $ | | 79,413,897 | 15,412,307 | 53,531,156 | 153,357,360 | 393,138 | 811,174 | 424,139 | 427,179 |
| | 7,500 - 9,999 | | | | | | | | |
| WELLS | | 146 | 52 | 181 | 379 | | | | |
| FOOTAGE | | 1,269,897 | 464,247 | 1,573,656 | 3,307,800 | 8,698 | 8,928 | 8,694 | 8,728 |
| COSTS $ | | 111,894,263 | 61,215,211 | 111,713,287 | 284,822,761 | 766,399 | 1,177,216 | 617,201 | 751,511 |
| | 10,000 - 12,499 | | | | | | | | |
| WELLS | | 113 | 48 | 102 | 263 | | | | |
| FOOTAGE | | 1,199,591 | 537,334 | 1,122,876 | 2,859,801 | 10,616 | 11,194 | 11,009 | 10,874 |
| COSTS $ | | 125,010,451 | 105,390,058 | 134,402,945 | 364,803,454 | 1,106,287 | 2,195,626 | 1,317,676 | 1,387,085 |
| | 12,500 - 14,999 | | | | | | | | |
| WELLS | | 18 | 44 | 30 | 92 | | | | |
| FOOTAGE | | 236,617 | 591,579 | 411,515 | 1,239,711 | 13,145 | 13,445 | 13,717 | 13,475 |
| COSTS $ | | 64,822,689 | 169,854,922 | 128,337,739 | 363,015,350 | 3,601,261 | 3,860,339 | 4,277,925 | 3,945,819 |
| | 15,000 - 17,499 | | | | | | | | |
| WELLS | | 2 | 20 | 14 | 36 | | | | |
| FOOTAGE | | 31,825 | 328,880 | 227,971 | 588,676 | 15,913 | 16,444 | 16,284 | 16,352 |
| COSTS $ | | 16,601,635 | 165,748,246 | 121,779,016 | 304,128,897 | 8,300,818 | 8,287,413 | 8,698,501 | 8,448,025 |
| | 17,500 - 19,999 | | | | | | | | |
| WELLS | | -- | 7 | 3 | 10 | | | | |
| FOOTAGE | | -- | 128,433 | 56,007 | 184,440 | -- | 18,348 | 18,669 | 18,444 |
| COSTS $ | | -- | 69,481,900 | 24,907,873 | 94,389,773 | -- | 9,925,986 | 8,302,625 | 9,438,977 |
| | 20,000 & OVER | | | | | | | | |
| WELLS | | -- | 2 | 5 | 7 | | | | |
| FOOTAGE | | -- | 41,665 | 112,297 | 153,962 | -- | 20,833 | 22,459 | 21,995 |
| COSTS $ | | -- | 40,626,630 | 110,208,888 | 150,835,518 | -- | 20,313,317 | 22,041,779 | 21,547,933 |
| TOTAL WELLS | | 772 | 211 | 621 | 1,604 | | | | |
| TOTAL FOOTAGE | | 4,658,033 | 2,277,834 | 4,803,511 | 11,739,378 | 6,034 | 10,795 | 7,735 | 7,319 |
| TOTAL COSTS $ | | 456,824,502 | 635,204,030 | 724,272,328 | 1,816,300,860 | 591,742 | 3,010,446 | 1,166,300 | 1,132,357 |

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

APPALACHIAN *

Table 51

| | DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | 853 | 95 | 56 | 1,004 | | | | |
| FOOTAGE | 0 - 1,249 | 717,948 | 86,978 | 39,890 | 844,816 | 842 | 916 | 712 | 841 |
| COSTS $ | | 24,394,653 | 4,324,585 | 902,570 | 29,621,808 | 28,599 | 45,522 | 16,117 | 29,504 |
| WELLS | | 601 | 559 | 46 | 1,206 | | | | |
| FOOTAGE | 1,250 - 2,499 | 1,062,673 | 1,066,199 | 78,688 | 2,207,560 | 1,768 | 1,907 | 1,711 | 1,830 |
| COSTS $ | | 35,697,881 | 56,576,019 | 2,749,016 | 95,022,916 | 59,397 | 101,209 | 59,761 | 78,792 |
| WELLS | | 761 | 1,504 | 139 | 2,404 | | | | |
| FOOTAGE | 2,500 - 3,749 | 2,419,705 | 5,049,498 | 449,134 | 7,918,337 | 3,180 | 3,357 | 3,231 | 3,294 |
| COSTS $ | | 80,688,098 | 204,900,250 | 14,836,195 | 300,424,543 | 106,029 | 136,237 | 106,735 | 124,969 |
| WELLS | | 298 | 2,139 | 64 | 2,501 | | | | |
| FOOTAGE | 3,750 - 4,999 | 1,313,803 | 9,061,946 | 273,912 | 10,649,661 | 4,409 | 4,237 | 4,280 | 4,258 |
| COSTS $ | | 49,165,138 | 360,065,011 | 9,529,773 | 418,759,922 | 164,984 | 168,333 | 148,903 | 167,437 |
| WELLS | | 140 | 1,136 | 58 | 1,334 | | | | |
| FOOTAGE | 5,000 - 7,499 | 756,198 | 6,240,799 | 328,145 | 7,325,142 | 5,401 | 5,494 | 5,658 | 5,491 |
| COSTS $ | | 34,092,320 | 260,280,207 | 10,518,475 | 304,891,002 | 243,517 | 229,120 | 181,353 | 228,554 |
| WELLS | | -- | 13 | 5 | 18 | | | | |
| FOOTAGE | 7,500 - 9,999 | -- | 106,655 | 41,171 | 147,826 | -- | 8,204 | 8,234 | 8,213 |
| COSTS $ | | -- | 8,519,643 | 3,894,787 | 12,414,430 | -- | 655,357 | 778,957 | 689,691 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 10,000 - 12,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 12,500 - 14,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| TOTAL WELLS | | 2,653 | 5,446 | 368 | 8,467 | | | | |
| TOTAL FOOTAGE | | 6,270,327 | 21,612,075 | 1,210,940 | 29,093,342 | 2,363 | 3,968 | 3,291 | 3,436 |
| TOTAL COSTS $ | | 224,038,090 | 894,665,715 | 42,430,816 | 1,161,134,621 | 84,447 | 164,279 | 115,301 | 137,136 |

* Includes New York, Ohio, Pennsylvania, and West Virginia.

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

OFFSHORE FED - TOTAL *

Table 52

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 0 - 1,249 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 1,250 - 2,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 2,500 - 3,749 | -- | -- | 3,681 | 3,681 | -- | -- | 3,681 | 3,681 |
| COSTS $ | | -- | -- | 9,704,288 | 9,704,288 | -- | -- | 9,704,288 | 9,704,288 |
| WELLS | | -- | -- | 2 | 2 | | | | |
| FOOTAGE | 3,750 - 4,999 | -- | -- | 9,045 | 9,045 | -- | -- | 4,523 | 4,523 |
| COSTS $ | | -- | -- | 7,774,375 | 7,774,375 | -- | -- | 3,887,188 | 3,887,188 |
| WELLS | | -- | 1 | 5 | 6 | | | | |
| FOOTAGE | 5,000 - 7,499 | -- | 7,283 | 30,193 | 37,476 | -- | 7,283 | 6,039 | 6,246 |
| COSTS $ | | -- | 6,157,507 | 35,308,035 | 41,465,542 | -- | 6,157,507 | 7,061,607 | 6,910,924 |
| WELLS | | 1 | 7 | 5 | 13 | | | | |
| FOOTAGE | 7,500 - 9,999 | 9,834 | 63,070 | 43,609 | 116,513 | 9,834 | 9,010 | 8,722 | 8,963 |
| COSTS $ | | 4,496,558 | 38,211,641 | 45,660,111 | 88,368,310 | 4,496,558 | 5,458,806 | 9,132,022 | 6,797,563 |
| WELLS | | 21 | 12 | 8 | 41 | | | | |
| FOOTAGE | 10,000 - 12,499 | 243,580 | 135,256 | 89,182 | 468,018 | 11,599 | 11,271 | 11,148 | 11,415 |
| COSTS $ | | 44,341,296 | 39,211,012 | 60,117,167 | 143,669,475 | 2,111,490 | 3,267,584 | 7,514,646 | 3,504,134 |
| WELLS | | 13 | 3 | 3 | 19 | | | | |
| FOOTAGE | 12,500 - 14,999 | 168,106 | 42,529 | 44,037 | 254,672 | 12,931 | 14,176 | 14,679 | 13,404 |
| COSTS $ | | 78,819,042 | 16,222,296 | 33,925,833 | 128,967,171 | 6,063,003 | 5,407,432 | 11,308,611 | 6,787,746 |
| WELLS | | -- | -- | 2 | 2 | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | 31,148 | 31,148 | -- | -- | 15,574 | 15,574 |
| COSTS $ | | -- | -- | 48,022,988 | 48,022,988 | -- | -- | 24,011,495 | 24,011,495 |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | 19,427 | 19,427 | -- | -- | 19,427 | 19,427 |
| COSTS $ | | -- | -- | 25,203,120 | 25,203,120 | -- | -- | 25,203,121 | 25,203,121 |
| WELLS | | -- | -- | 2 | 2 | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | 41,068 | 41,068 | -- | -- | 20,534 | 20,534 |
| COSTS $ | | -- | -- | 61,523,898 | 61,523,898 | -- | -- | 30,761,951 | 30,761,951 |
| TOTAL WELLS | | 35 | 23 | 29 | 87 | | | | |
| TOTAL FOOTAGE | | 421,520 | 248,138 | 311,390 | 981,048 | 12,043 | 10,789 | 10,738 | 11,276 |
| TOTAL COSTS $ | | 127,656,896 | 99,802,456 | 327,239,815 | 554,699,167 | 3,647,340 | 4,339,237 | 11,284,132 | 6,375,853 |

* Includes Offshore Federal Waters-Alaska, Offshore Federal Waters-Atlantic Coast, and Offshore Federal Waters-Pacific Coast, which are not shown separately.

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1982

OFFSHORE FED. - GULF NORTH

Table 53

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | | AVERAGE DEPTH AND COST PER WELL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | TOTAL | OIL | GAS | DRY | TOTAL |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 0 - 1,249 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 1,250 - 2,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 2,500 - 3,749 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | 2 | 2 | | | | |
| FOOTAGE | 3,750 - 4,999 | -- | -- | 9,045 | 9,045 | -- | -- | 4,523 | 4,523 |
| COSTS $ | | -- | -- | 7,774,375 | 7,774,375 | -- | -- | 3,887,188 | 3,887,188 |
| WELLS | | -- | 1 | 2 | 3 | | | | |
| FOOTAGE | 5,000 - 7,499 | -- | 7,283 | 13,368 | 20,651 | -- | 7,283 | 6,684 | 6,884 |
| COSTS $ | | -- | 6,157,507 | 8,767,135 | 14,924,642 | -- | 6,157,507 | 4,383,568 | 4,974,881 |
| WELLS | | 1 | 7 | 4 | 12 | | | | |
| FOOTAGE | 7,500 - 9,999 | 9,834 | 63,070 | 35,879 | 108,783 | 9,834 | 9,010 | 8,970 | 9,065 |
| COSTS $ | | 4,496,558 | 38,211,641 | 30,748,989 | 73,457,188 | 4,496,558 | 5,458,806 | 7,687,248 | 6,121,433 |
| WELLS | | 21 | 12 | 8 | 41 | | | | |
| FOOTAGE | 10,000 - 12,499 | 243,580 | 135,256 | 89,182 | 468,018 | 11,599 | 11,271 | 11,148 | 11,415 |
| COSTS $ | | 44,341,296 | 39,211,012 | 60,117,167 | 143,669,475 | 2,111,490 | 3,267,584 | 7,514,646 | 3,504,134 |
| WELLS | | 11 | 3 | 2 | 16 | | | | |
| FOOTAGE | 12,500 - 14,999 | 141,582 | 42,529 | 29,432 | 213,543 | 12,871 | 14,176 | 14,716 | 13,346 |
| COSTS $ | | 47,547,414 | 16,222,296 | 21,898,588 | 85,668,298 | 4,322,492 | 5,407,432 | 10,949,294 | 5,354,269 |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 15,000 - 17,499 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | -- | -- | | | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- | -- | -- | -- | -- |
| WELLS | | -- | -- | 1 | 1 | | | | |
| FOOTAGE | 20,000 & OVER | -- | -- | 21,068 | 21,068 | -- | -- | 21,068 | 21,068 |
| COSTS $ | | -- | -- | 23,767,554 | 23,767,554 | -- | -- | 23,767,555 | 23,767,555 |
| TOTAL WELLS | | 33 | 23 | 19 | 75 | | | | |
| TOTAL FOOTAGE | | 394,996 | 248,138 | 197,974 | 841,108 | 11,970 | 10,789 | 10,420 | 11,215 |
| TOTAL COSTS $ | | 96,385,268 | 99,802,456 | 153,073,808 | 349,261,532 | 2,920,766 | 4,339,237 | 8,056,516 | 4,656,821 |

# APPENDICES

# JOINT ASSOCIATION SURVEY ON DRILLING COSTS—1982

CONFIDENTIAL

WELLS DRILLED, FOOTAGE, AND COST IN THE U.S.

CONFIDENTIAL

PAGE

| OPERATOR NAME – WELL NUMBER – LEASE NAME | STATE | SHORE | OP CODE | WELL IDENTIFICATION NUMBER |
|---|---|---|---|---|
| ABC OIL COMPANY 1 J C KANE | MONTANA | ON | 999 | 25 017 23459 00 17 |

| TYPE | OIL ZONES | GAS ZONES | DEPTH | COMPLETION DATE | SECTION | TWP | RANGE | CDS | X COORD or LATITUDE | Y COORD or LONGITUDE |
|---|---|---|---|---|---|---|---|---|---|---|
| EXP-DRY | 0 | 0 | 3456 | 08/82 | 031 | 15-N | 053-E | | | |

| COUNTY NAME | LOCATION | TOTAL COST |
|---|---|---|
| CUSTER | 958 FNL 388 FWL | |

| OPERATOR NAME – WELL NUMBER – LEASE NAME | STATE | SHORE | OP CODE | WELL IDENTIFICATION NUMBER |
|---|---|---|---|---|
| ABC OIL COMPANY 3 HAYES | MONTANA | ON | 999 | 25 033 10432 00 17 |

| TYPE | OIL ZONES | GAS ZONES | DEPTH | COMPLETION DATE | SECTION | TWP | RANGE | CDS | X COORD or LATITUDE | Y COORD or LONGITUDE |
|---|---|---|---|---|---|---|---|---|---|---|
| DEV-OIL | 1 | 0 | 2335 | 04/82 | 017 | 019-N | 044-E | | | |

| COUNTY NAME | LOCATION | TOTAL COST |
|---|---|---|
| GARFIELD | 348 FSL 457 FWL | |

| OPERATOR NAME – WELL NUMBER – LEASE NAME | STATE | SHORE | OP CODE | WELL IDENTIFICATION NUMBER |
|---|---|---|---|---|
| ABC OIL COMPANY 2 B W BOWERS | MONTANA | ON | 999 | 25 083 22106 00 17 |

| TYPE | OIL ZONES | GAS ZONES | DEPTH | COMPLETION DATE | SECTION | TWP | RANGE | CDS | X COORD or LATITUDE | Y COORD or LONGITUDE |
|---|---|---|---|---|---|---|---|---|---|---|
| DEV-DRY | 0 | 0 | 10435 | 11/82 | 004 | 025-N | 055-E | | | |

| COUNTY NAME | LOCATION | TOTAL COST |
|---|---|---|
| RICHLAND | 120 FSL 234 FEL | |

| OPERATOR NAME – WELL NUMBER – LEASE NAME | STATE | SHORE | OP CODE | WELL IDENTIFICATION NUMBER |
|---|---|---|---|---|
| | | | | |

| TYPE | OIL ZONES | GAS ZONES | DEPTH | COMPLETION DATE | SECTION | TWP | RANGE | CDS | X COORD or LATITUDE | Y COORD or LONGITUDE |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| COUNTY NAME | LOCATION | TOTAL COST |
|---|---|---|
| | | |

| OPERATOR NAME – WELL NUMBER – LEASE NAME | STATE | SHORE | OP CODE | WELL IDENTIFICATION NUMBER |
|---|---|---|---|---|
| | | | | |

| TYPE | OIL ZONES | GAS ZONES | DEPTH | COMPLETION DATE | SECTION | TWP | RANGE | CDS | X COORD or LATITUDE | Y COORD or LONGITUDE |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| COUNTY NAME | LOCATION | TOTAL COST |
|---|---|---|
| | | |

| OPERATOR NAME – WELL NUMBER – LEASE NAME | STATE | SHORE | OP CODE | WELL IDENTIFICATION NUMBER |
|---|---|---|---|---|
| | | | | |

| TYPE | OIL ZONES | GAS ZONES | DEPTH | COMPLETION DATE | SECTION | TWP | RANGE | CDS | X COORD or LATITUDE | Y COORD or LONGITUDE |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| COUNTY NAME | LOCATION | TOTAL COST |
|---|---|---|
| | | |

| OPERATOR NAME – WELL NUMBER – LEASE NAME | STATE | SHORE | OP CODE | WELL IDENTIFICATION NUMBER |
|---|---|---|---|---|
| | | | | |

| TYPE | OIL ZONES | GAS ZONES | DEPTH | COMPLETION DATE | SECTION | TWP | RANGE | CDS | X COORD or LATITUDE | Y COORD or LONGITUDE |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| COUNTY NAME | LOCATION | TOTAL COST |
|---|---|---|
| | | |

INDIVIDUAL SUBMITTING REPORT: _____

TELEPHONE NUMBER: AC _____ _____

# INSTRUCTIONS AND DEFINITIONS FOR DRILLING COSTS

1. If a well shown on the computer listing was completed by you as operator in the survey year (whether actually drilled by you or drilled for you by a contractor), you only need to insert the total cost of the well as defined in Section 14 below.

2. Wells shown on the computer listing not actually completed by you during the calendar survey year should be deleted from the computer list. Please indicate the reason for the deletions.

3. If as operator, you completed wells in the calendar survey year not shown on the computer listing, such wells should be reported on the enclosed blank forms.

4. **WELLS TO BE REPORTED.** Report each domestic well completed by you as operator in the survey year (whether actually drilled by you or drilled for you by contractors). Report each well completed by you *as operator* regardless of the size of your working interest in the well. Do not report wells drilled by others in which you may have had only part of a working interest regardless of the size of such interest. Do not report wells started in the survey year or in prior years, but not completed as of December 31 of the survey year. Do not report wells reentered for completion at shallower depths, old wells drilled deeper, redrilled wells, old wells worked over, stratigraphic tests, core tests, or service wells (including input wells).

5. **SHORE.** Enter "OFF" if well is located offshore; enter "ON" if it is onshore. An offshore well is one which is bottomed at, or produces from, a point which lies seaward of the coastline. If a state agency uses a different basis for classifying onshore and offshore wells, the state classification should be used. In general, the term "coastline" means the line of ordinary low water along that portion of the coast which is in direct contact with the open sea or the line marking the seaward limit of inland waters. For purposes of the JAS, Cook Inlet (Alaska) is classified as "offshore."

6. **OP CODE.** Make no entry. The API will supply the operator code.

7. **WELL IDENTIFICATION NUMBER.** Enter the state designated API number if it is available. Where states do not assign API Well Numbers, or if you do not know the number, leave this item blank.

8. **TYPE.** Insert the classification for each well reported as either an exploratory (**EXPL**) or a development (**DEV**) well. Exploratory wells include new-field wildcats, new-pool wildcats, deeper-pool tests, shallower-pool tests, and outposts (extensions). Development wells include all wells drilled to produce oil or gas from pools discovered by previous drilling. (See attached diagram and definitions.) If your system of classification differs from that used by the **API-AAPG**, you may report wells on the basis of classification reflected in your accounts.

   Subclassify all wells as either (1) oil wells, (2) gas wells, or (3) dry holes, e.g. "**EXPL-OIL,**" "**DEV-GAS,**" etc. An *oil well* is one which can produce hydrocarbons existing in the reservoir in liquid form. A *gas well* is one which can produce hydrocarbons existing initially in a gaseous phase in the reservoir. So-called gas condensate wells should be reported as gas wells. The state regulatory classification should be used, if available; if not available, use a classification by company engineers.

   Count *multiple completions* as one well. (See Number 9, OIL ZONES, GAS ZONES., for a definition of a multiple completion.)

9. **OIL ZONES, GAS ZONES.** Enter the total number of oil zones and gas zones in the appropriate space.

   As noted under Number 8, a multiple completion should be reported as one well. A multiple completion well is a well equipped to produce oil and/or gas separately from more than one reservoir. Such wells contain multiple strings of tubing or other equipment which permit production from the various completions to be measured and accounted for separately.

   Report a multiple completion well as an oil well if oil is produced from at least one of several zones, even though gas and gas condensate may be produced from one or more zones in the same well. Report a multiple completion well as a gas well if oil is not produced from any of the several zones.

   For a dry hole enter word "**DRY.**"

10. **DEPTH.** Report for each well the total feet of penetration measured down the well bore. Include all plugged back footage, but exclude bypassed footage resulting from remedial sidetrack drilling operations. For *offshore wells* drilled from a platform or barge over water and the reference point is above water, the depth of the water is included in the total length of the well bore.

11. **COMPLETION DATE.** Enter month and year of completion.

12. **SECTION, TWP, RANGE.** Enter location data if appropriate for area.

13. **LOCATION.** Enter other available information that would be helpful in identifying well location.

14. **TOTAL COST.** Report the *total* cost (tangible and intangible) of each well completed by you as operator in the survey year (whether actually drilled by you or drilled for you by contractors). The *total* of such costs should be reported even though you as operator had only a part of a working interest in the well. Do not report the cost of wells drilled by others in which you had a working interest regardless of the size of such interest. The costs to be reported are those associated with wells which are completed during the survey year and the dollar amount to be reported is the accumulated cost of such wells from the time locations were made until the wells were completed as productive wells or abandoned after drilling was terminated because they were non-productive.

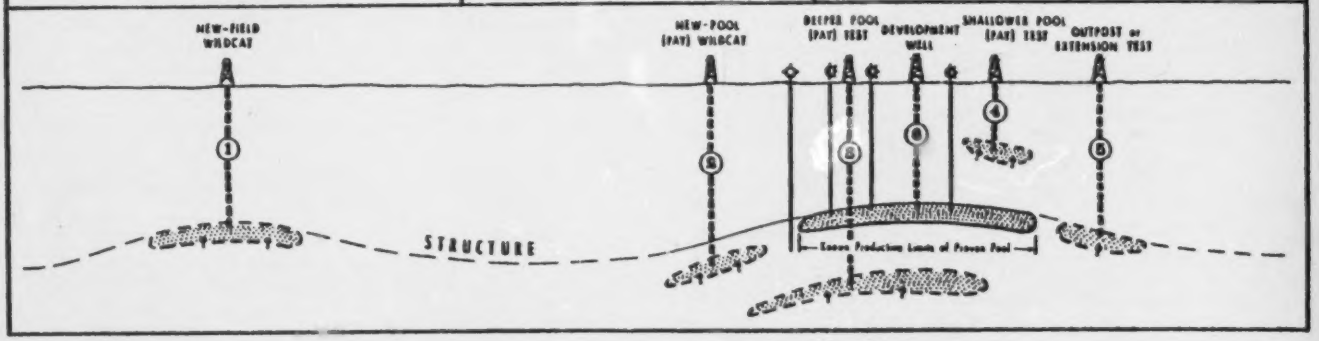
   In general, the elements contributing to reported cost are the expenditures for drilling dry holes and productive wells and equipping new productive wells through the Christmas tree installation. More specifically, these cost elements are the costs of labor, materials, supplies, water, fuels, power, and direct overhead (i.e., field, district, and regional), for such operations as site preparation, road building, erecting and dismantling derricks and drilling rigs, drilling hole, running and cementing casing, hauling materials, etc. Include the total cost of water, if purchased, or cost of water well, if drilled and chargeable to oil or gas well drilling operations. Well costs also include machinery and tool charges and rentals, and depreciation charges, where appropriate, for rigs and other equipment and facilities which will be used in drilling more than one well. Deduct the condition value of materials salvaged after use where appropriate.

   Do not report the cost of lease equipment such as artificial lift equipment and downhole lift equipment, flow lines, flow tanks, separators, etc., that are required for production. Do not reduce reported costs by test well, bottom hole, or dry hole contributions.

   For *offshore wells*, include costs on fixed platforms and islands. Where facilities serve more than one well, the costs should be allocated to each well on the basis of the operator's best current estimate of the ultimate number of wells that will use the facility. Also, include cost expirations (depreciation or amortization) for company-owned mobile platforms, barges, and tenders.

# AAPG and API Classification of Wells

| OBJECTIVE OF DRILLING | | | | INITIAL CLASSIFICATION ◆ WHEN DRILLING IS STARTED | FINAL CLASSIFICATION AFTER COMPLETION OR ABANDONMENT | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | SUCCESSFUL ● ✪ ✱ | | UNSUCCESSFUL ✧ | |
| Drilling for a new field on a structure or in an environment never before productive | | | | 1. NEW-FIELD WILDCAT | NEW-FIELD DISCOVERY WILDCAT | | DRY NEW-FIELD WILDCAT | |
| Drilling for a new pool on a structure or in a geological environment already productive | NEW POOL TESTS | Drilling outside limits of a proved area of pool | | 2. NEW-POOL (PAY) WILDCAT | NEW-POOL DISCOVERY WELLS (Sometimes extension wells) | NEW-POOL DISCOVERY WILDCAT (Sometimes an extension well) | DRY NEW-POOL TESTS | DRY NEW-POOL WILDCAT |
| | | Drilling inside limits of proved area of pool | For a new pool below deepest proven pool | 3. DEEPER POOL (PAY) TEST | | DEEPER POOL DISCOVERY WELL | | DRY DEEPER POOL TEST |
| | | | For a new pool above deepest proven pool | 4. SHALLOWER POOL (PAY) TEST | | SHALLOWER POOL DISCOVERY WELL | | DRY SHALLOWER POOL TEST |
| Drilling for long extension of a partly developed pool | | | | 5. OUTPOST or EXTENSION TEST | EXTENSION WELL (Sometimes a new-pool discovery well) | | DRY OUTPOST OR DRY EXTENSION TEST | |
| Drilling to exploit or develop a hydrocarbon accumulation discovered by previous drilling | | | | 6. DEVELOPMENT WELL | DEVELOPMENT WELL | | DRY DEVELOPMENT WELL | |




LAHEE CLASSIFICATION OF WELLS, AS APPLIED BY CSD

## Tests drilled with the intent of being completed as hydrocarbon producers if found

**NEW FIELD WILDCAT.** A new field wildcat is located far from producing pools, and on a structure which has not produced before. In regions where local structure has little or no control on accumulation, these holes are generally at least 2 miles from the nearest productive area. Distance, however, is not the determining factor. The classification is based on the degree of risk assumed by the operator, and his intention to test a structure or stratigraphic condition not previously proved productive.

**NEW-POOL (PAY) WILDCAT.** A new-pool wildcat is located to explore for new pools on a structure already producing, but off to one side of the presently producing area. In some regions where local structure is almost negligible as a control, exploration holes of this group may be called "near wildcats." Such will usually be less than 2 miles from the nearest productive area. Sometimes a new-pool wildcat may extend a pool already partly developed, if so its final classification is an Extension.

**DEEPER-POOL (PAY) TEST.** A deeper-pool test is an exploratory hole located within the productive area of a pool, or pools, already partly or wholly developed. It is drilled below the deepest such pool penetrated by it to explore for deeper unknown prospects. Sometimes such a hole extends a deeper pool which has been partly developed in another part of the field.

**SHALLOWER-POOL (PAY) TEST.** A shallower-pool test is exploratory only if drilled in search of some new productive reservoir, unknown but possibly suspected from data secured from other wells. The test must be located within the productive area of a pool, or pools, previously developed. Sometimes such a test extends a shallower-pool partly developed elsewhere in the same field.

**OUTPOST OR EXTENSION TEST.** An outpost is located and drilled with the expectation of extending for a considerable distance the productive area of a partly developed pool. It is usually two or more locations distant from the nearest productive area. Sometimes an outpost discovers a new pool.

**DEVELOPMENT WELL.** A well drilled to exploit a hydrocarbon accumulation discovered by previous drilling.

## Tests drilled without the intent of being completed for hydrocarbon production

**STRATIGRAPHIC TEST.** A drilling effort, geologically directed, to obtain information pertaining to a specific earth condition that might lead toward a possible accumulation of hydrocarbon. It must be drilled without the intention of being completed for hydrocarbon production. This classification includes tests identified as core tests by some operators.

**SERVICE WELL.** A well that is either drilled or completed for the purpose of supporting production of an existing field through observation, injection, water supply, etc.

**MISCELLANEOUS.** Any test drilled that does not fit one of the above classifications.

RECONCILIATION OF TOTAL 1982 U.S. WELLS AND FOOTAGE

QRDS vs. JAS

| | Oil Wells | | Gas Wells | | Dry Holes | | Total | |
|---|---|---|---|---|---|---|---|---|
| | No. | Footage | No. | Footage | No. | Footage | No. | Footage |
| QRDS-Exploratory Wells | 2,582 | 14,930,164 | 2,265 | 15,929,688 | 11,623 | 64,727,580 | 16,470 | 95,587,432 |
| QRDS-Development Wells | 37,716 | 144,418,437 | 16,688 | 91,297,219 | 14,926 | 64,714,134 | 69,330 | 300,429,790 |
| Total QRDS Wells | 40,298 | 159,348,601 | 18,953 | 107,226,907 | 26,549 | 129,441,714 | 85,800 | 396,017,222 |
| Adjustment Type I (Net) | -5,413 | -20,447,859 | -2,491 | -11,749,811 | -3,226 | -15,482,206 | -11,130 | -47,679,876 |
| Adjustment Type II (Net) | +980 | +5,403,760 | +590 | +5,326,422 | +412 | +3,550,641 | +1,982 | +14,280,823 |
| | 35,865 | 144,304,502 | 17,052 | 100,803,518 | 23,735 | 117,510,149 | 76,652 | 362,618,169 |

Note: Adjustments Type I and Adjustments Type II are outlined on page 2.

SUMMARY OF SAMPLE DATA - 1982

EXPLORATORY WELLS

| | DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | AVERAGE DEPTH AND COST PER WELL | | |
|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | OIL | GAS | DRY |
| WELLS | | 7 | 2 | 36 | | | |
| FOOTAGE | 0 - 1,249 | 6,270 | 1,707 | 26,386 | 896 | 854 | 733 |
| COSTS $ | | 468,682 | 161,291 | 1,730,106 | 66,955 | 80,646 | 48,059 |
| WELLS | | 46 | 22 | 230 | | | |
| FOOTAGE | 1,250 - 2,499 | 87,787 | 43,783 | 444,389 | 1,908 | 1,990 | 1,932 |
| COSTS $ | | 5,187,614 | 2,789,272 | 17,391,194 | 112,774 | 126,785 | 75,614 |
| WELLS | | 89 | 72 | 474 | | | |
| FOOTAGE | 2,500 - 3,749 | 285,348 | 228,936 | 1,515,989 | 3,206 | 3,180 | 3,198 |
| COSTS $ | | 15,749,537 | 13,160,739 | 60,072,499 | 176,962 | 182,788 | 126,735 |
| WELLS | | 145 | 114 | 630 | | | |
| FOOTAGE | 3,750 - 4,999 | 633,438 | 505,505 | 2,778,478 | 4,369 | 4,434 | 4,410 |
| COSTS $ | | 30,423,532 | 26,791,937 | 102,217,390 | 209,817 | 235,017 | 162,250 |
| WELLS | | 192 | 186 | 873 | | | |
| FOOTAGE | 5,000 - 7,499 | 1,173,530 | 1,130,212 | 5,334,705 | 6,112 | 6,076 | 6,111 |
| COSTS $ | | 98,819,243 | 91,609,960 | 329,182,035 | 514,684 | 492,527 | 377,070 |
| WELLS | | 141 | 152 | 529 | | | |
| FOOTAGE | 7,500 - 9,999 | 1,232,853 | 1,316,233 | 4,610,306 | 8,744 | 8,659 | 8,715 |
| COSTS $ | | 177,981,217 | 168,950,912 | 517,266,526 | 1,262,278 | 1,111,519 | 977,820 |
| WELLS | | 100 | 137 | 437 | | | |
| FOOTAGE | 10,000 - 12,499 | 1,123,261 | 1,513,747 | 4,852,734 | 11,233 | 11,049 | 11,105 |
| COSTS $ | | 196,018,916 | 346,450,624 | 834,052,673 | 1,960,189 | 2,528,837 | 1,908,587 |
| WELLS | | 92 | 120 | 268 | | | |
| FOOTAGE | 12,500 - 14,999 | 1,236,473 | 1,638,079 | 3,638,517 | 13,440 | 13,651 | 13,577 |
| COSTS $ | | 344,703,885 | 526,673,134 | 951,776,074 | 3,746,781 | 4,389,985 | 3,551,403 |
| WELLS | | 10 | 58 | 117 | | | |
| FOOTAGE | 15,000 - 17,499 | 157,973 | 923,832 | 1,878,654 | 15,797 | 15,928 | 16,057 |
| COSTS $ | | 76,337,747 | 344,317,711 | 757,310,888 | 7,633,775 | 5,945,133 | 6,472,743 |
| WELLS | | -- | 23 | 66 | | | |
| FOOTAGE | 17,500 - 19,999 | -- | 425,084 | 1,224,550 | -- | 18,482 | 18,554 |
| COSTS $ | | -- | 260,170,642 | 556,167,697 | -- | 11,311,767 | 8,426,783 |
| WELLS | | 2 | 11 | 41 | | | |
| FOOTAGE | 20,000 & OVER | 41,286 | 237,478 | 889,236 | 20,643 | 21,589 | 21,689 |
| COSTS $ | | 13,710,215 | 144,037,962 | 617,988,291 | 6,855,108 | 13,094,360 | 15,072,885 |

SUMMARY OF SAMPLE DATA - 1982

DEVELOPMENT WELLS *

| | DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | | AVERAGE DEPTH AND COST PER WELL | | |
|---|---|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | DRY HOLES | OIL | GAS | DRY |
| WELLS | | 1,506 | 58 | 178 | | | |
| FOOTAGE | 0 - 1,249 | 1,279,312 | 61,540 | 149,532 | 849 | 1,061 | 840 |
| COSTS $ | | 79,398,004 | 3,105,773 | 6,456,407 | 52,721 | 53,548 | 36,272 |
| WELLS | | 1,667 | 324 | 322 | | | |
| FOOTAGE | 1,250 - 2,499 | 2,997,117 | 606,929 | 620,041 | 1,798 | 1,873 | 1,926 |
| COSTS $ | | 180,557,532 | 30,469,511 | 19,017,242 | 108,313 | 94,042 | 59,060 |
| WELLS | | 2,098 | 730 | 634 | | | |
| FOOTAGE | 2,500 - 3,749 | 6,561,716 | 2,509,940 | 2,024,418 | 3,128 | 3,218 | 3,193 |
| COSTS $ | | 380,334,652 | 138,887,341 | 63,017,403 | 181,284 | 178,061 | 99,397 |
| WELLS | | 1,896 | 971 | 607 | | | |
| FOOTAGE | 3,750 - 4,999 | 8,463,524 | 4,156,486 | 2,637,481 | 4,464 | 4,281 | 4,345 |
| COSTS $ | | 516,846,595 | 259,021,433 | 87,220,379 | 272,598 | 266,757 | 143,691 |
| WELLS | | 2,219 | 1,348 | 707 | | | |
| FOOTAGE | 5,000 - 7,499 | 13,632,680 | 8,143,725 | 4,319,311 | 6,144 | 6,041 | 6,109 |
| COSTS $ | | 1,122,943,783 | 656,889,727 | 249,506,251 | 506,059 | 487,307 | 352,908 |
| WELLS | | 1,683 | 871 | 511 | | | |
| FOOTAGE | 7,500 - 9,999 | 14,613,233 | 7,661,280 | 4,433,446 | 8,683 | 8,796 | 8,676 |
| COSTS $ | | 1,552,674,559 | 1,018,095,311 | 397,197,758 | 922,564 | 1,168,881 | 777,295 |
| WELLS | | 678 | 612 | 303 | | | |
| FOOTAGE | 10,000 - 12,499 | 7,447,311 | 6,787,678 | 3,354,649 | 10,984 | 11,091 | 11,071 |
| COSTS $ | | 1,401,891,893 | 1,173,305,687 | 463,789,476 | 2,067,687 | 1,917,166 | 1,530,658 |
| WELLS | | 176 | 367 | 180 | | | |
| FOOTAGE | 12,500 - 14,999 | 2,330,022 | 4,931,566 | 2,425,839 | 13,239 | 13,438 | 13,477 |
| COSTS $ | | 570,688,148 | 1,290,200,349 | 505,819,705 | 3,242,546 | 3,515,532 | 2,810,110 |
| WELLS | | 29 | 175 | 81 | | | |
| FOOTAGE | 15,000 - 17,499 | 465,547 | 2,825,578 | 1,297,106 | 16,053 | 16,146 | 16,014 |
| COSTS $ | | 134,042,562 | 1,040,528,343 | 408,742,407 | 4,622,158 | 5,945,877 | 5,046,203 |
| WELLS | | 3 | 77 | 29 | | | |
| FOOTAGE | 17,500 - 19,999 | 55,675 | 1,426,991 | 534,604 | 18,558 | 18,532 | 18,435 |
| COSTS $ | | 31,140,467 | 748,307,926 | 204,163,475 | 10,380,156 | 9,718,285 | 7,040,120 |
| WELLS | | -- | 18 | 9 | | | |
| FOOTAGE | 20,000 & OVER | -- | 389,738 | 186,967 | -- | 21,652 | 20,774 |
| COSTS $ | | -- | 202,925,269 | 76,244,460 | -- | 11,273,626 | 8,471,607 |

SUMMARY OF SAMPLE DATA - 1982

SINGLE-COMPLETION WELLS

| DEPTH INTERVAL (FEET) | | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | AVERAGE DEPTH AND COST PER WELL | |
|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | OIL | GAS |
| WELLS | | 1,496 | 59 | | |
| FOOTAGE | 0 - 1,249 | 1,267,008 | 62,027 | 847 | 1,051 |
| COSTS $ | | 79,060,002 | 3,206,058 | 52,848 | 54,340 |
| WELLS | | 1,693 | 344 | | |
| FOOTAGE | 1,250 - 2,499 | 3,045,248 | 646,897 | 1,799 | 1,881 |
| COSTS $ | | 184,051,911 | 33,167,375 | 108,713 | 96,417 |
| WELLS | | 2,144 | 800 | | |
| FOOTAGE | 2,500 - 3,749 | 6,701,870 | 2,568,130 | 3,126 | 3,210 |
| COSTS $ | | 389,740,022 | 141,436,084 | 181,315 | 176,795 |
| WELLS | | 1,971 | 1,032 | | |
| FOOTAGE | 3,750 - 4,999 | 8,778,195 | 4,432,180 | 4,454 | 4,295 |
| COSTS $ | | 524,481,019 | 265,863,133 | 266,099 | 257,619 |
| WELLS | | 2,375 | 1,382 | | |
| FOOTAGE | 5,000 - 7,499 | 14,584,257 | 8,370,142 | 6,141 | 6,057 |
| COSTS $ | | 1,192,041,591 | 688,027,288 | 501,912 | 497,849 |
| WELLS | | 1,777 | 970 | | |
| FOOTAGE | 7,500 - 9,999 | 15,430,372 | 8,523,311 | 8,683 | 8,787 |
| COSTS $ | | 1,634,873,641 | 1,113,908,643 | 920,019 | 1,148,359 |
| WELLS | | 741 | 728 | | |
| FOOTAGE | 10,000 - 12,499 | 8,158,207 | 8,067,977 | 11,010 | 11,082 |
| COSTS $ | | 1,468,132,225 | 1,468,079,861 | 1,981,353 | 2,016,593 |
| WELLS | | 258 | 480 | | |
| FOOTAGE | 12,500 - 14,999 | 3,435,417 | 6,476,724 | 13,316 | 13,493 |
| COSTS $ | | 868,344,254 | 1,788,378,042 | 3,365,676 | 3,725,788 |
| WELLS | | 37 | 227 | | |
| FOOTAGE | 15,000 - 17,499 | 592,256 | 3,654,758 | 16,007 | 16,100 |
| COSTS $ | | 191,271,413 | 1,347,849,235 | 5,169,498 | 5,937,662 |
| WELLS | | 3 | 100 | | |
| FOOTAGE | 17,500 - 19,999 | 55,675 | 1,852,075 | 18,558 | 18,521 |
| COSTS $ | | 31,140,467 | 1,008,478,568 | 10,380,156 | 10,084,786 |
| WELLS | | 3 | 28 | | |
| FOOTAGE | 20,000 & OVER | 62,086 | 604,716 | 20,695 | 21,597 |
| COSTS $ | | 23,659,762 | 334,371,431 | 7,886,254 | 11,941,837 |

SUMMARY OF SAMPLE DATA - 1982

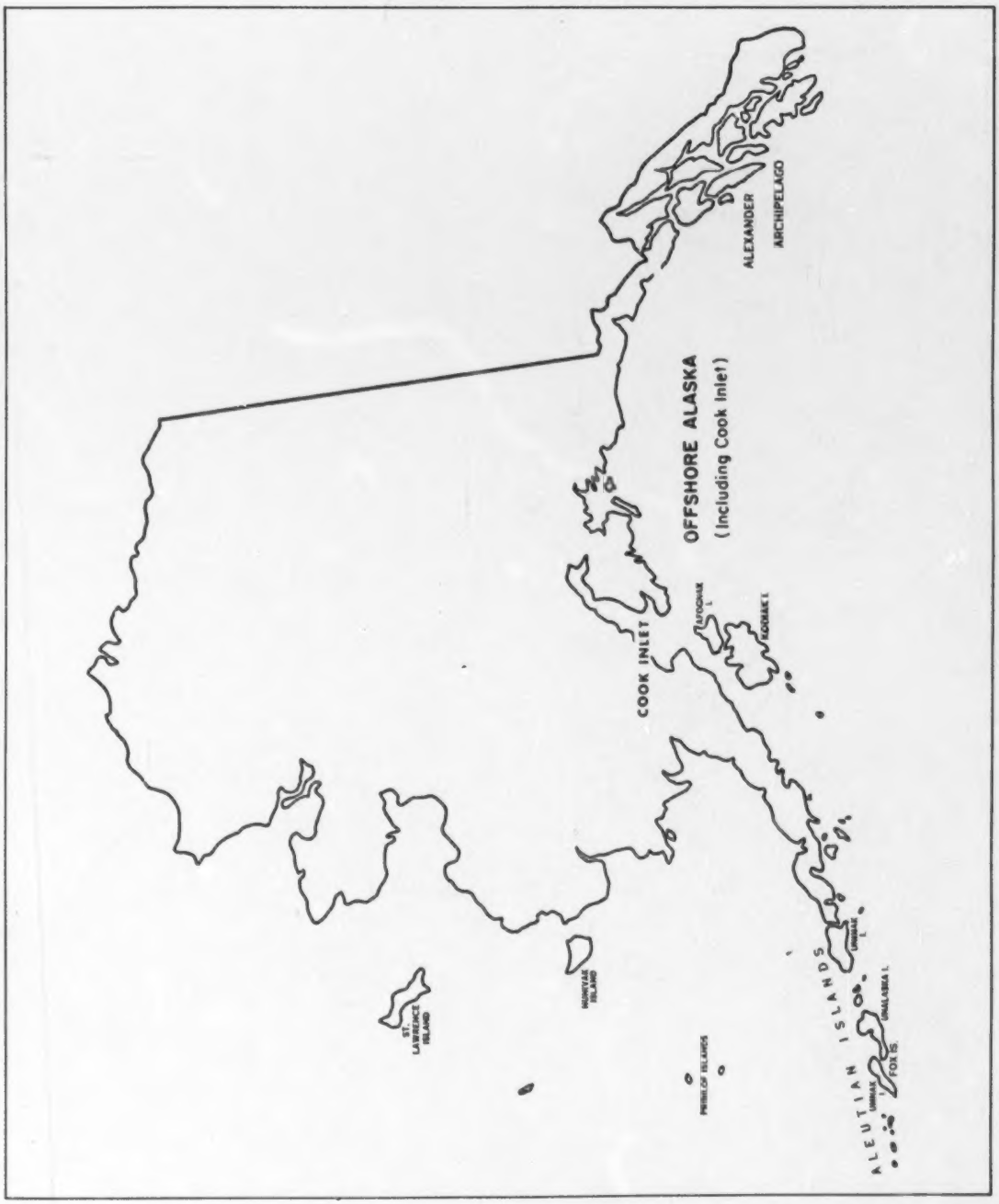
MULTIPLE-COMPLETION WELLS

| | DEPTH INTERVAL (FEET) | TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS | | AVERAGE DEPTH AND COST PER WELL | |
|---|---|---|---|---|---|
| | | OIL WELLS | GAS WELLS | OIL | GAS |
| WELLS | | 17 | -- | | |
| FOOTAGE | 0 - 1,249 | 18,574 | -- | 1,093 | -- |
| COSTS $ | | 806,684 | -- | 47,452 | -- |
| WELLS | | 20 | 2 | | |
| FOOTAGE | 1,250 - 2,499 | 39,656 | 3,815 | 1,983 | 1,908 |
| COSTS $ | | 1,693,235 | 91,408 | 84,662 | 45,704 |
| WELLS | | 43 | 52 | | |
| FOOTAGE | 2,500 - 3,749 | 145,194 | 170,746 | 3,377 | 3,284 |
| COSTS $ | | 7,344,217 | 10,611,996 | 170,796 | 204,077 |
| WELLS | | 70 | 53 | | |
| FOOTAGE | 3,750 - 4,999 | 319,817 | 229,811 | 4,555 | 4,336 |
| COSTS $ | | 22,789,108 | 19,950,237 | 325,559 | 376,420 |
| WELLS | | 36 | 152 | | |
| FOOTAGE | 5,000 - 7,499 | 221,953 | 903,795 | 6,165 | 5,946 |
| COSTS $ | | 29,721,435 | 60,472,399 | 825,595 | 397,845 |
| WELLS | | 47 | 53 | | |
| FOOTAGE | 7,500 - 9,999 | 415,714 | 454,202 | 8,845 | 8,570 |
| COSTS $ | | 95,732,135 | 73,137,580 | 2,037,918 | 1,379,954 |
| WELLS | | 37 | 21 | | |
| FOOTAGE | 10,000 - 12,499 | 412,365 | 233,448 | 11,145 | 11,117 |
| COSTS $ | | 129,728,584 | 51,676,450 | 3,506,178 | 2,460,783 |
| WELLS | | 10 | 7 | | |
| FOOTAGE | 12,500 - 14,999 | 131,079 | 92,921 | 13,108 | 13,274 |
| COSTS $ | | 47,047,779 | 28,500,441 | 4,704,778 | 4,071,492 |
| WELLS | | 2 | 6 | | |
| FOOTAGE | 15,000 - 17,499 | 31,264 | 94,652 | 15,632 | 15,775 |
| COSTS $ | | 13,108,996 | 37,496,824 | 9,554,448 | 6,249,471 |
| WELLS | | -- | -- | | |
| FOOTAGE | 17,500 - 19,999 | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- |
| WELLS | | -- | -- | | |
| FOOTAGE | 20,000 & OVER | -- | -- | -- | -- |
| COSTS $ | | -- | -- | -- | -- |

## J.A.S. SAMPLE DISTRIBUTION 1978-1982

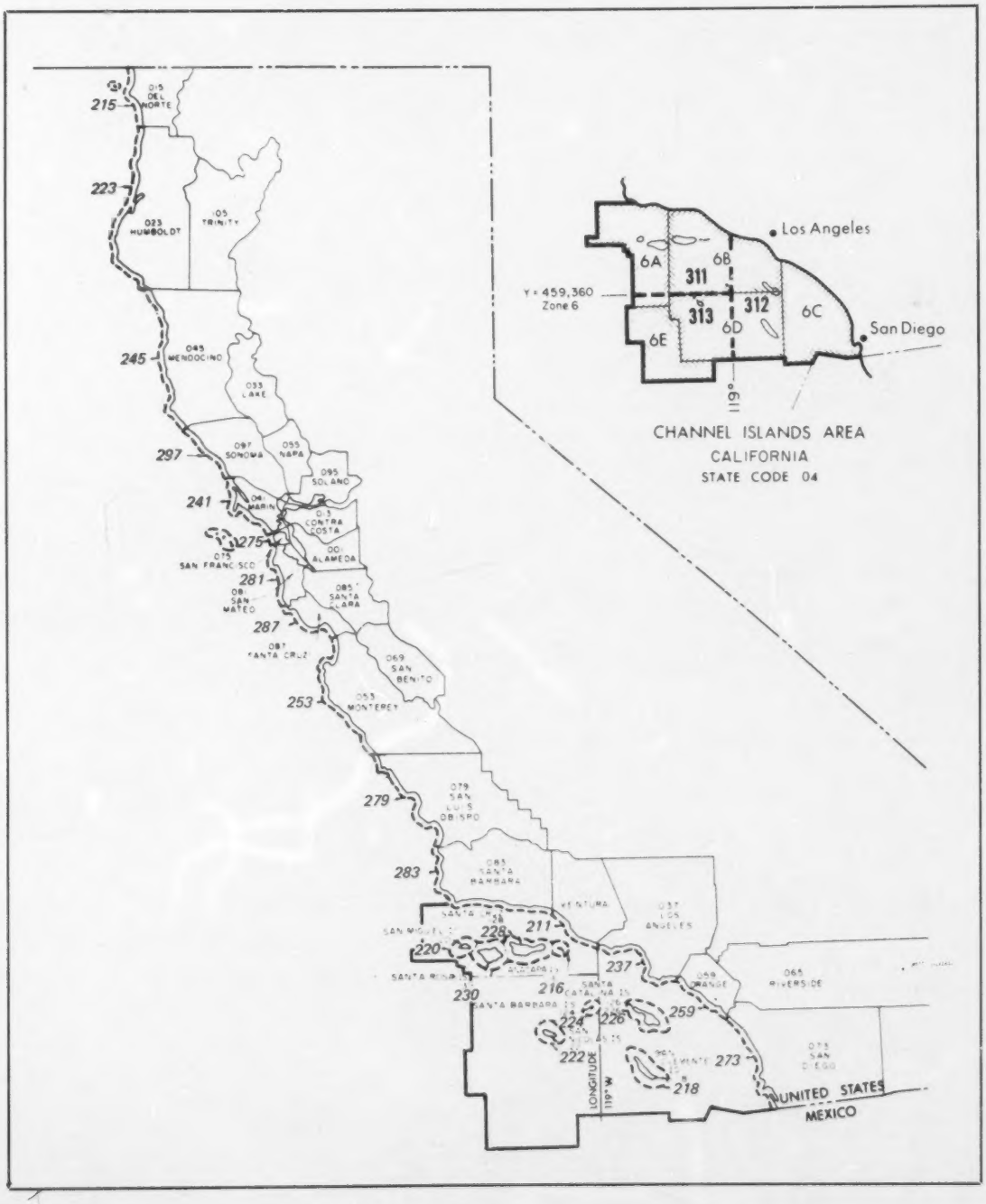
| No. of Wells Drilled | 1978 | | 1979 | | 1980 | | 1981 | | 1982 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. of Co's | No. of Wells | No. of Co's | No. of Wells | No. of Co's | No. of Wells | No. of Co's | No. of Wells | No. of Co's | No. of Wells |
| 1-4 | 510 | 1,061 | 590 | 1,198 | 527 | 1,129 | 697 | 1,484 | 813 | 1,724 |
| 5-9 | 235 | 1,557 | 240 | 1,608 | 223 | 1,519 | 350 | 2,354 | 315 | 2,122 |
| 10-24 | 227 | 3,487 | 196 | 2,931 | 232 | 3,445 | 298 | 4,592 | 320 | 4,772 |
| 25-49 | 87 | 2,994 | 92 | 3,156 | 98 | 3,418 | 120 | 4,110 | 105 | 3,631 |
| 50-99 | 39 | 2,738 | 32 | 2,245 | 43 | 2,976 | 67 | 4,501 | 36 | 2,463 |
| 100 & over | 36 | 9,786 | 31 | 9,434 | 38 | 11,667 | 38 | 13,403 | 40 | 11,828 |
| Total | 1,134 | 21,623 | 1,181 | 20,572 | 1,161 | 24,154 | 1,570 | 30,444 | 1,629 | 26,540 |

# MAP I
# SUBDIVISIONS OF ALASKA

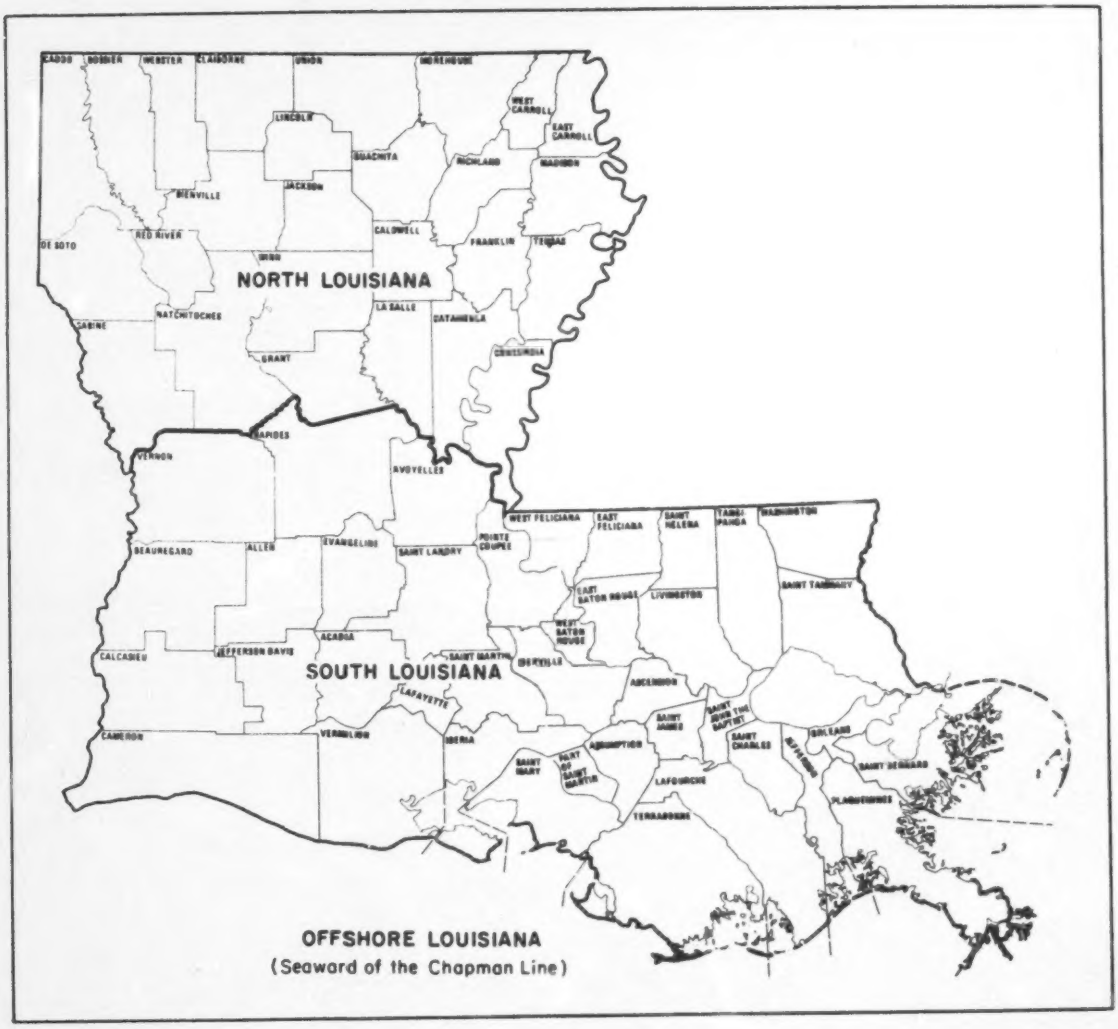


# MAP II
# SUBDIVISIONS OF CALIFORNIA

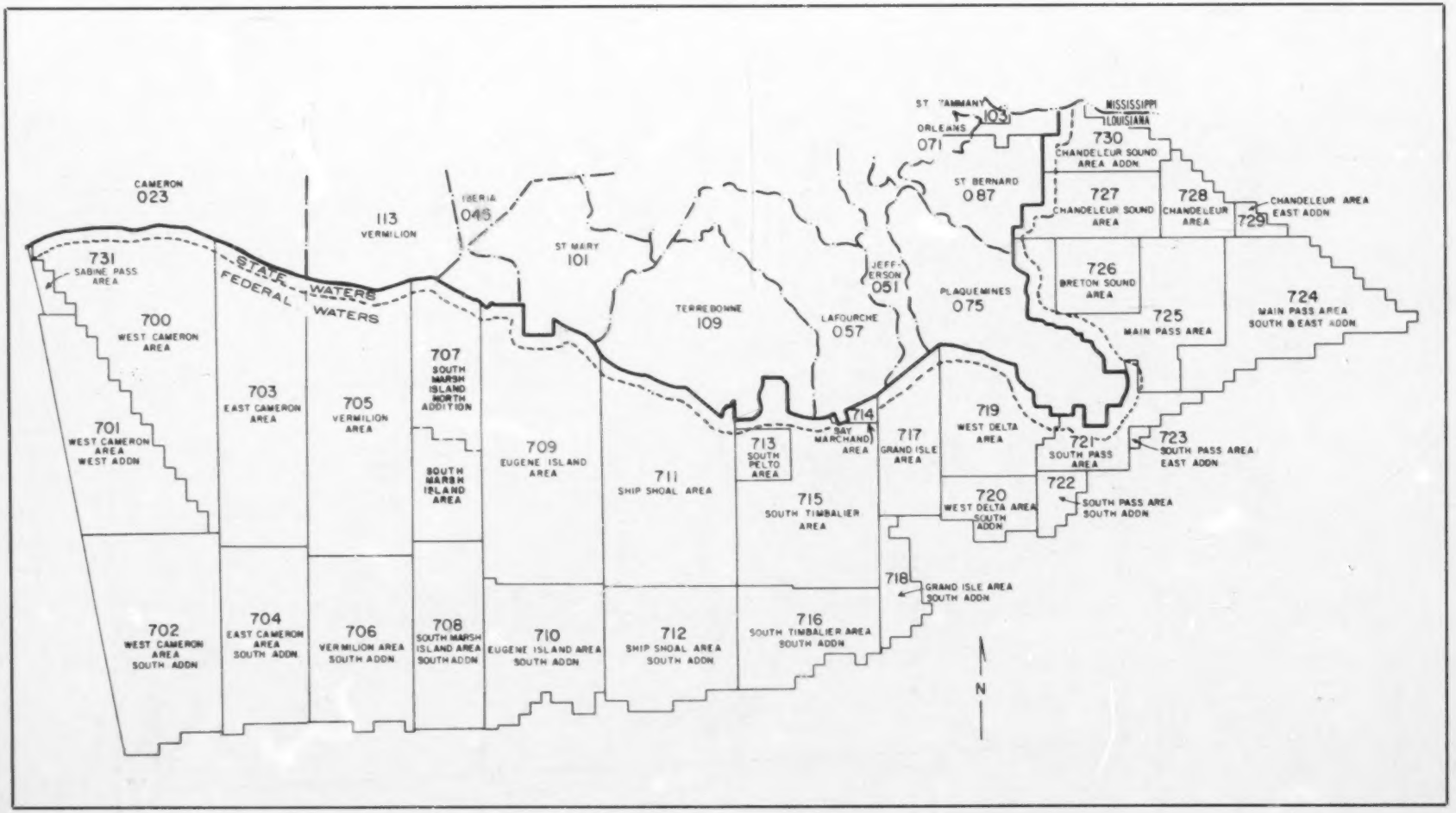
# MAP III
# CALIFORNIA OFFSHORE



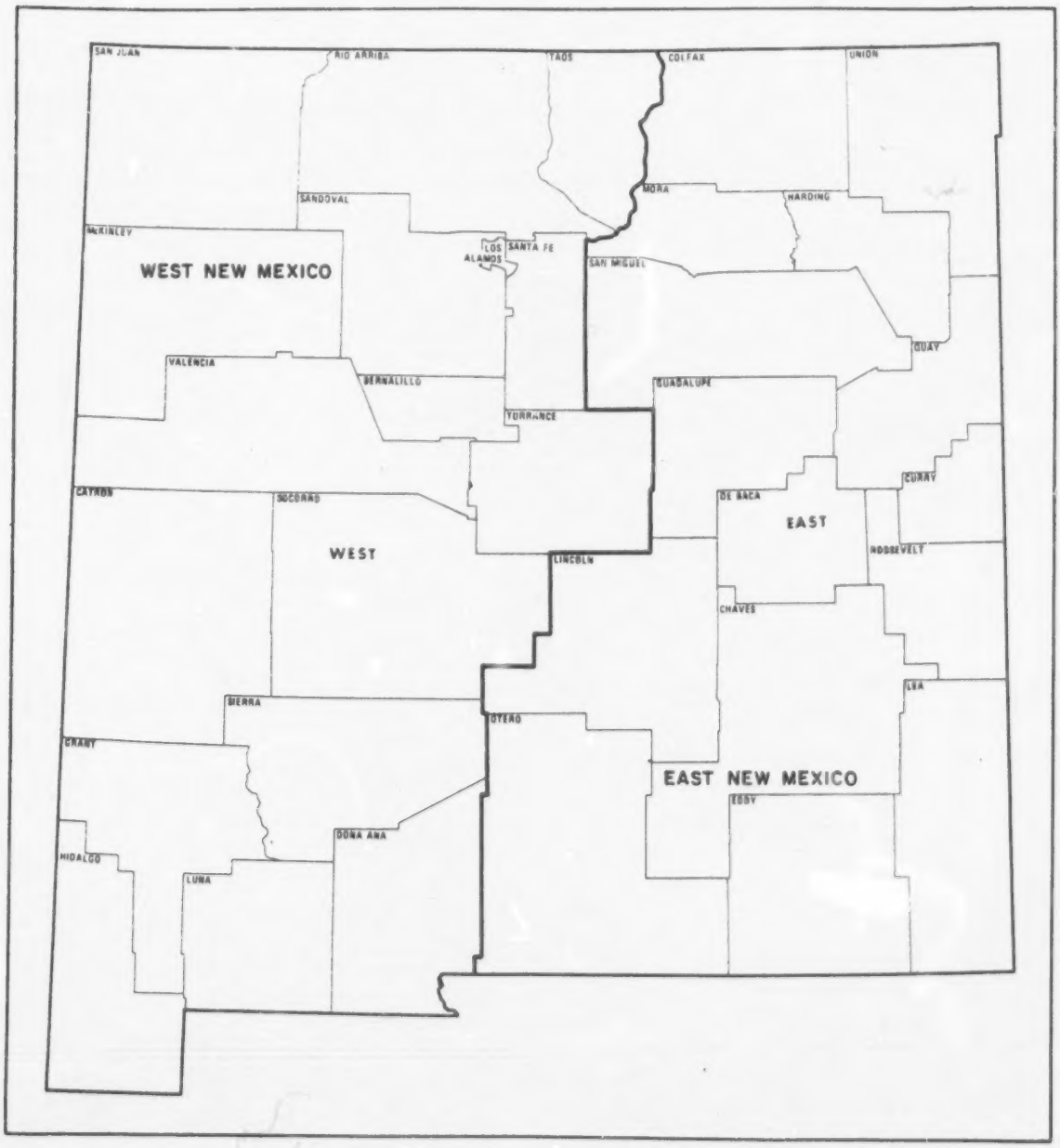
# MAP IV
# SUBDIVISIONS OF LOUISIANA



# MAP V
# LOUISIANA OFFSHORE

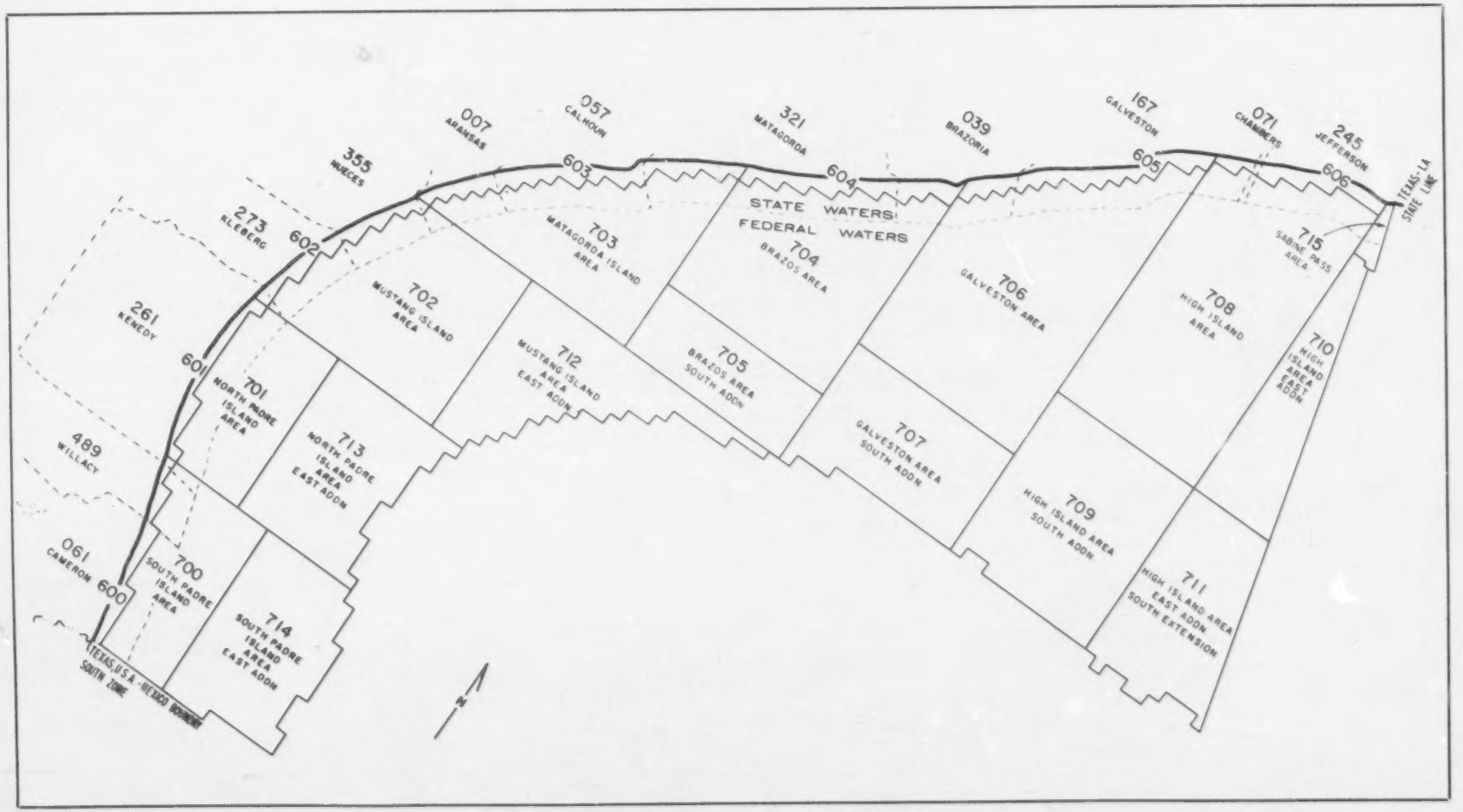

CAMERON 023
731 SABINE PASS AREA
700 WEST CAMERON AREA
701 WEST CAMERON AREA WEST ADDN
702 WEST CAMERON AREA SOUTH ADDN
703 EAST CAMERON AREA
704 EAST CAMERON AREA SOUTH ADDN
113 VERMILION
705 VERMILION AREA
706 VERMILION AREA SOUTH ADDN
IBERIA 045
ST MARY 101
707 SOUTH MARSH ISLAND NORTH ADDITION
SOUTH MARSH ISLAND AREA
708 SOUTH MARSH ISLAND AREA SOUTH ADDN
709 EUGENE ISLAND AREA
710 EUGENE ISLAND AREA SOUTH ADDN
711 SHIP SHOAL AREA
712 SHIP SHOAL AREA SOUTH ADDN
TERREBONNE 109
LAFOURCHE 057
713 SOUTH PELTO AREA
714 SAY MARCHAND AREA
715 SOUTH TIMBALIER AREA
716 SOUTH TIMBALIER AREA SOUTH ADDN
717 GRAND ISLE AREA
718 GRAND ISLE AREA SOUTH ADDN
JEFFERSON 051
PLAQUEMINES 075
719 WEST DELTA AREA
720 WEST DELTA AREA SOUTH ADDN
721 SOUTH PASS AREA
722 SOUTH PASS AREA SOUTH ADDN
723 SOUTH PASS AREA EAST ADDN
ST TAMMANY 103
ORLEANS 071
ST BERNARD 087
MISSISSIPPI
LOUISIANA
730 CHANDELEUR SOUND AREA ADDN
727 CHANDELEUR SOUND AREA
728 CHANDELEUR AREA
729 CHANDELEUR AREA EAST ADDN
726 BRETON SOUND AREA
725 MAIN PASS AREA
724 MAIN PASS AREA SOUTH & EAST ADDN
STATE WATERS
FEDERAL WATERS
N

# MAP VI
# SUBDIVISIONS OF NEW MEXICO

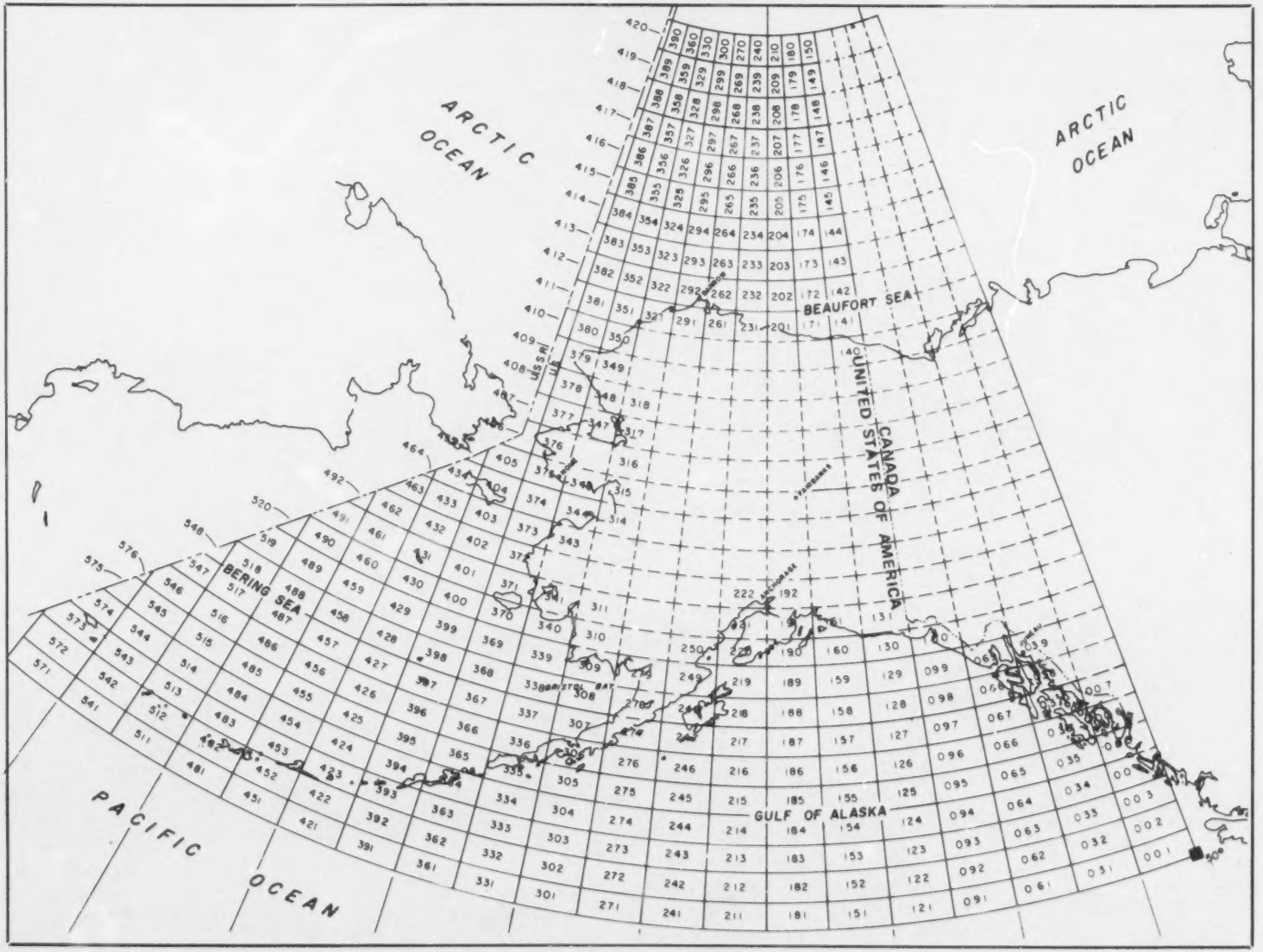


# MAP VII
# SUBDIVISIONS OF TEXAS

# MAP VIII
# TEXAS OFFSHORE

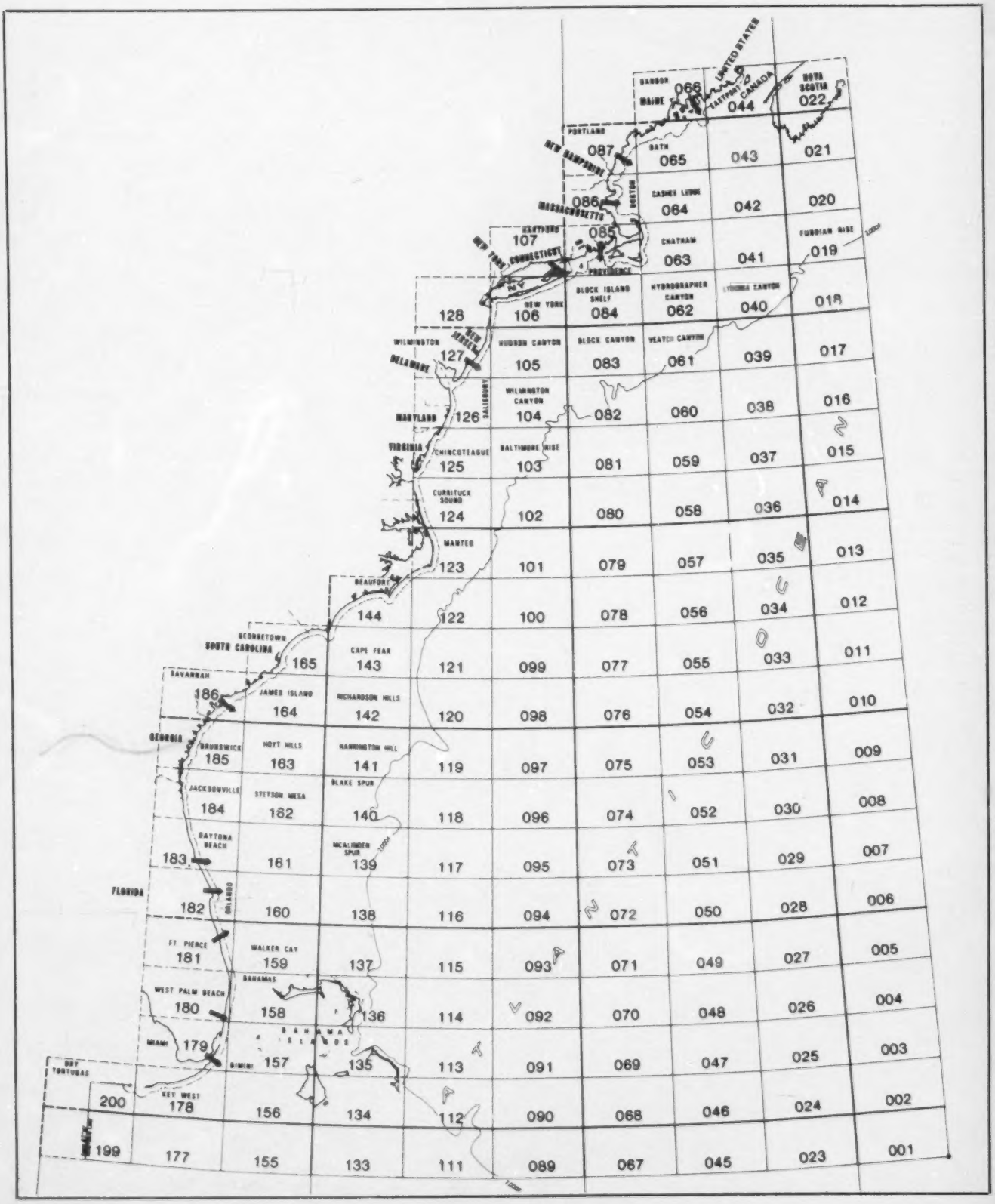


# MAP IX
# SUBDIVISIONS OF
# OFFSHORE FEDERAL WATERS
# ALASKA

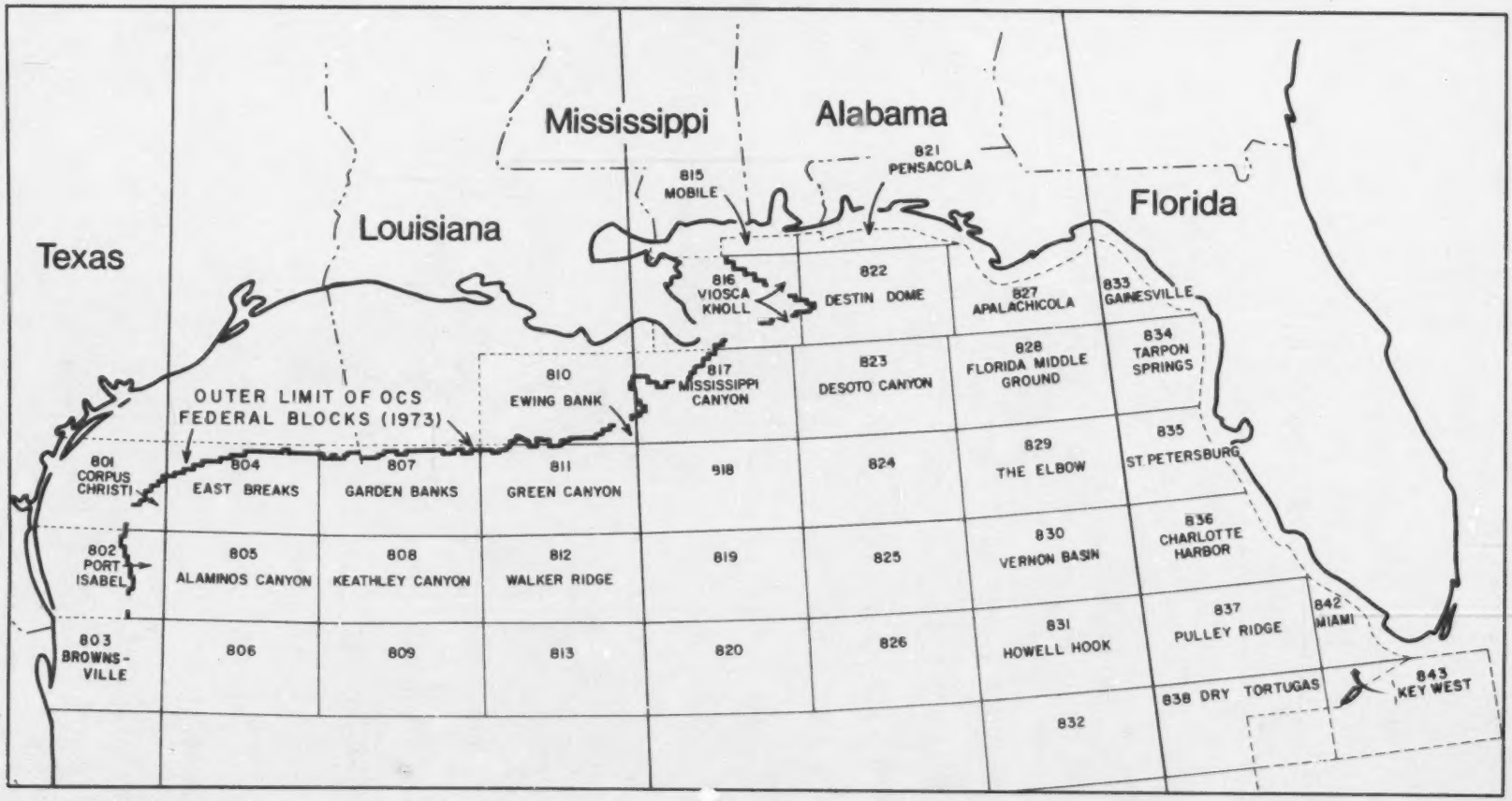


APPENDIX G, P.10

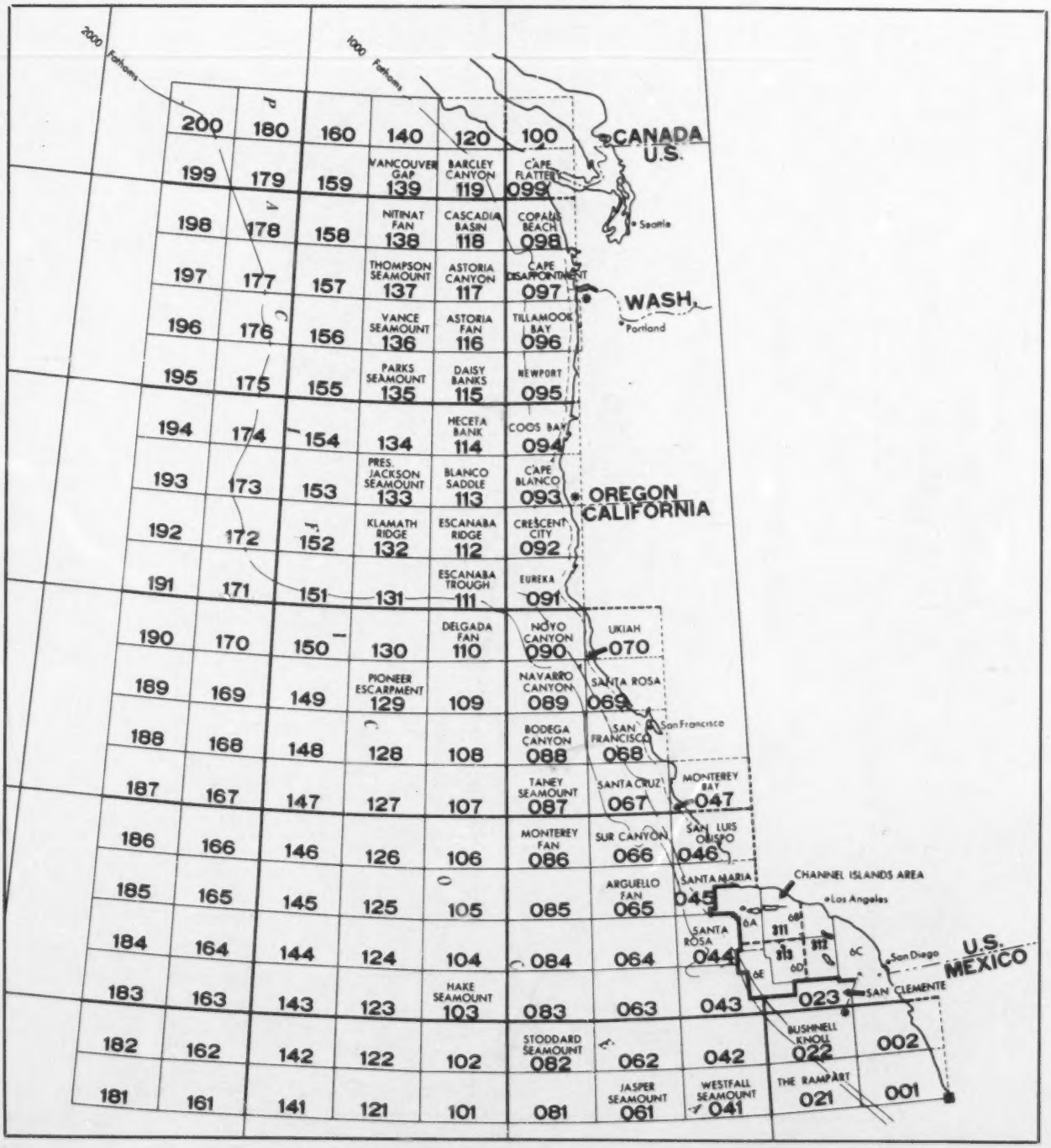
# MAP X
# SUBDIVISIONS OF OFFSHORE FEDERAL WATERS
# ATLANTIC COAST



# MAP XI
# SUBDIVISIONS OF
# OFFSHORE FEDERAL WATERS
# GULF OF MEXICO—Northern



# MAP XII
# SUBDIVISIONS OF
# OFFSHORE FEDERAL WATERS
# PACIFIC COAST



# JOINT ASSOCIATION SURVEY METHODOLOGY

API publishes annual estimates of drilling costs in the U.S. based on a sample of approximately 39 percent of all wells drilled and 61 percent of total drilling costs. The results, published in the Joint Association Survey (JAS), show estimated average drilling costs and total drilling expenditures by state (or other political region), by depth, and by well type. API has cost data only for those wells within the JAS sample. Drilling costs for wells not in the sample must be estimated using the information available from other sources on their depth, location, and well type, and the relationship of these variables to drilling cost as observed in the sample.

**REGRESSION ESTIMATES OF WELL COSTS.** The current JAS methodology, implemented in the 1978 survey, estimates these nonsample costs using standard multiple regression analysis. A "best fit" equation is estimated from the sample data for a given area, and this equation is then used to estimate the cost of nonsample wells based on their depth, location, and well type.

The particular functional form for the regression equation is:

(1) $$\log(\text{cost per foot}) = a + b\,1/\text{depth} + c\,\text{depth} + d\,\text{depth}^2 + p_1 I_1 + \ldots + p_9 I_9$$

where depth is in thousands of feet and $I_1$ through $I_9$ are indicator variables for well type.[1]

Except for the 1/depth term, this equation is a polynomial, a functional form often used in regression analysis when an *a priori* functional form has not been specified. (Higher order polynomials were investigated but did not improve the fit noticeably). The 1/depth term helps to reflect the decreasing cost per foot observed in the shallower depths in some areas. (As depth increases, 1/depth gets smaller, so that this term's contribution to estimated cost per foot can be larger for shallower depths but quite small at greater depths).

The inclusion of indicator variables allows the level of costs to vary by well type. Since the above equation is in log form, this means that different well types are estimated to be proportional to one another, with the proportions being determined by the regression coefficients of the indicator variables. (When oil, gas, or dry data are regressed separately, fewer indicator variables are needed since there are fewer well types involved in each regression).

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[1]An indicator variable takes on the value 1 if the observation is a member of a certain class and 0 if it is not.
In the above equation, the nine indicator variables identify whether a well is one of the ten well types (for example, exploratory oil single completion, development gas multiple completion, exploratory dry, and so on). The tenth well type is identified when all indicator variables are 0.

Because equation (1) is in log form, estimates based on it will be biased downwards. Multiplying the original estimates by the correction factor

(2) $$\frac{\text{sum of actual costs for sample}}{\text{sum of estimated costs for sample}}$$

yields unbiased estimates.

**PROCEDURE.** Once the JAS sample data have been collected and verified, regression estimates for each geographic area are made using equations (1) and (2). In some areas, oil, gas, and dry wells are combined in one equation. When the sample is large enough, a separate equation is used for each of these three well categories. Inevitably, some nonsample wells fall outside the depth range of the sample. Since, statistically speaking, there is no reason to expect the regression estimates to be "reasonable" for these depths where there is no sample, some of these costs must be estimated independently based on costs in similar areas and previous year's data. This was necessary for approximately 8.7 percent of all unreported wells in 1982.